

# DAAAM International Vienna

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Verba volant, littera scripta manet. [In English: Words fly away; written letters remain.]

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**Who is in the field, and not in the DAAAM he/she does not exist.**

(*Jyri Papstel 1996*)



**EDITOR'S NOTE** This publication is short overlook of activities made in the frame of DAAAM International network during last 30 years. The editor and the DAAAM International Vienna are not responsible either for the statements made or for the opinion expressed in this publication.

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DAAAM homepage: <http://www.daaam.info>



## DAAAM INTERNATIONAL TABULA GRATULATORIA

### Happy Birthday to:

Alexey Eliseev (85 Years) / Jueri Olt (70 Years) / Kollar Vojtech (70 Years) / Visekruna, Vojo (70 Years) / Zvonko Kremljak (65 Years) / Andrzej Jardzioch (60 Years) / Sergey Kuvshinov (60 Years) / Peter Panfilov (60 Years) / Denis Stajnko (55 Years) / Dancho Gunev (55 Years) / Zvonko Trzun (50 Years) / Mihaela Begea (50 Years) / Adambarage Chamaru De Alwis (50 Years) / Kemajl Stuja (50 Years) / Crtomir Rozman (45 Years) / Yuliyan Dimitrov (45 Years) / Roman Khelemendik (45 Years) / Ivan Tyuremnov (45 Years) / Sasikala Nellutla (40 Years) / Cicerone Laurentiu Popa (40 Years) / Oleksii Drozhzhyn (40 Years) / Sandra Martinovic (40 Years) / Riyadh Al-Fartoossi (40 Years) / Michal Chocholousek (40 Years) / Tonu Leemet (40 Years) / Zeljko Tekic (40 Years) / Martin Nozar (40 Years) / Jan Hlavac (40 Years) / Diana Mariana Popa (35 Years) / Bogdan Constantin Neagu (35 Years) / Milovan Medojevic (35 Years) / Stepan Jenicek (35 Years) / Kristo Vaher (35 Years) / Juan Carlos Beltran-Prieto (35 Years) / Nemanja Sremcev (35 Years) / Marko Orosnjak (30 Years) / Amalija Horvatic Novak (30 Years) / Oguz Eryilmaz (30 Years) / Long Feng (30 Years) / Marina Prvan (30 Years) / Shravan Koundinya Vutukuru (30 Years) / Anna Rodkina (30 Years) / Ive Botunac (30 Years) / Vesela Hristova (30 Years) / Andrey Mokhov (30 Years) / Lubos Kroft (30 Years) / Mihaela Stoian (30 Years) / Martin Kaba (30 Years) / Jan Mrazek (30 Years) / Jiri Dujka (30 Years) / Michaela Mikulicova (30 Years) / Azra Novalic (25 Years) / Ozan Dengiz (25 Years) / Stana Vasic (25 Years) / Roman Kokoshko (25 Years) / Aneta Kaufnerova (25 Years) / Marek Vozar (25 Years) / Boris Patoprsty (25 Years) / Pavel Pletenev (25 Years) / Michal Povolny (25 Years) / Ilona Kacerova (25 Years) / Oleg Punenkov (25 Years) / Radomir Tarasov (25 Years) / Milos Stanojevic (25 Years) / Maksim Petrakov (25 Years) / Jiri Dekastello (25 Years) / Emil Mitev (25 Years)

Faculty of Mechanical Engineering and Computing, University of Mostar (60 Years) / Asian Institute of Technology - Bangkok, Thailand (60 Years) / Faculty of Mechanical Engineering and Naval Architecture - University, University of Zagreb (100 Years)

### Congratulations to:

To all DAAAM International Network members who made a significant step in their career

### Welcome to 9217th Author:

Since 1990 **9217** authors and co-authors published their scientific papers in the Annals & Proceedings of DAAAM International Symposium

### Special thanks

to **Festo** group for establishing of

### "Festo Award as Young Researchers and Scientist Support Scholarship"

for financial support of next generation of Researchers and Scientist at DAAAM international conferences

**With love and appreciations**  
**World-wide DAAAM International Community**

# DAAAM INTERNATIONAL NETWORK: BACKGROUND, HISTORY, AIMS, STRUCTURE, ACTIVITIES & FUTURE

**Branko KATALINIC**  
President of DAAAM International  
[www.daaam.com](http://www.daaam.com) / [www.daaam.info](http://www.daaam.info) / [www.daaam.org](http://www.daaam.org)

## 1.0 BACKGROUND

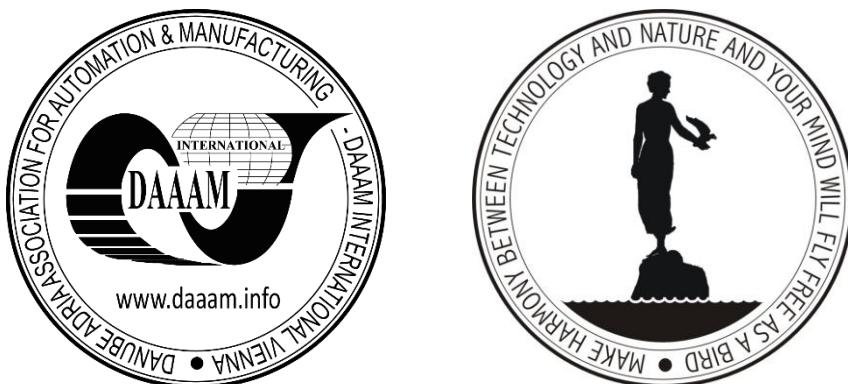
The DAAAM International was founded and based on the idea and initiative of Professor B. Katalinic, on November 5th, 1990 at the Vienna Symposium, which was organised in order to mark the 175<sup>th</sup> anniversary of the Vienna University of Technology. The purpose of DAAAM International is to provide a world forum for engineers, scientists and industrial managers to present and discuss the current status and impact of advanced manufacturing and automation.

During the last twenty years, the activities of DAAAM International have been supported by scientists and experts from over fifty countries all over the world. In the course of the last decade, DAAAM International has focused activities on the regional and global long-term co-operation between (technical) universities. The result of this initiative is the founding of the University Network of DAAAM International Vienna and DAAAM International Network for Advanced Technologies which was founded on 2002-10-25 in Vienna.

## 2.0 AIMS

The main aims of DAAAM are:

- To organise an annual DAAAM International Symposium each year.
- To found and organise the University Network of DAAAM International Vienna as a strategic alliance and permanent international open platform for long-term co-operation and partnership in all fields of technology, research and education.
- To organise long-term projects, initially known as Inter-university Doctoral Studies
- To organise a pilot project, initially known as the Virtual University.
- To enable and promote the exchange of people, scientific, and technical information.
- To enable and promote international co-operation among scientists and engineers.
- To enable and promote R & D, education and industrial application.
- To co-operate with other national and international organisations in matters of common interest.



*Logos of DAAAM International*

### 3.0 ORGANISATION OF DAAAM INTERNATIONAL VIENNA

#### DAAAM International Vienna

##### President:

Branko **Katalinic**

##### Vice presidents for 2019

Dragan **Covic** / Vladimir **Filaretov** / Ante **Uglesic** / Toma **Udiljak** /  
 Hong-Seok **Park**

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Malik **Kulenovic**

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##### Software Solutions for 2019

Ilija **Zec**

##### Senior Assistant for 2019

Ilya **Kukushkin**

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Roberta **Cvetkovska** / Luka **Zec** / Ilya **Kukushkin** / Liane **Höller** /  
 Ante **Uglesic** / Inja **Stojkic** / David **Kostolani** / Marek **Vladov** / Ivan  
**Bevanda** / Igor **Bosnjak** / Nikola **Knezovic** / Zeljko **Seremet**

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*NB: The further International Coordinators for different topics/fields are needed and welcome,  
 if you want to be one of them please contact the president of DAAAM International*

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Yuriy Kondratenko	<i>Russia</i>	Emil Wessely	<i>Slovakia</i>
Malik Kulenovic*	<i>Bosnia and Herzegovina</i>	Alan Yeung	<i>Hong Kong</i>
Petri Kuosmanen	<i>Finland</i>	Wojciech Zebala*	<i>Poland</i>
Andrew Kusiak	<i>USA</i>		

*I do not think there is any thrill that can go through the human heart like that felt by the inventor as he sees some creation of the brain unfolding to success... such emotions make a man forget food, sleep, friends, love, everything.*

## 5.0 IN MEMORIAM OF NICE DAAAM COLLEAGUES AND DEAR FRIENDS

**Professor Dr.-Ing. Klaus Meißner**

**25.5.1937 \* - 2.10.2013 †**



Professor at University of Applied Sciences Jena. Founder and President of DAAAM Germany. Member of International Organizing / Program / Scientific / Review Committees. Author. Honored with Gold Medal of DAAAM International Vienna. 12. Internationale DAAAM Symposium stand unter dem Motto "Intelligent Manufacturing & Automation: Focus on Precision Engineering". Jena, Germany 24-27th October 2001.

### **Professor Dr Branimir Barisic (1969 - 2010)**

Professor Barisic, member of international program committee, was one of the most promising young scientists in the field of engineering in the Croatia. He initiated and organised a number of international projects and networks for academic and scientific cooperation in central European Region. He will be remembered as a great motivator, a person full of energy and great optimism always ready to help and capable to solve difficult problems. He extremely loved to work with students and for students. To follow him was not always simple as he was workaholic. In our community he will be remembered as a person of great hart, cleaver mind and a soft soul.

### **Visting Professor Dipl.-Ing. Dr.techn. Georg Widtman (1942-2010)**

Founding Member of DAAAM International Vienna 1990. Secretary General of Austrian Society of Engineers and Architects. Visiting Professor of the University of Mostar. President of Regional Council of Coordination of Central- and East-European Engineering Organizations. Member of Advisory Committee at the European Patent Office. Member of International Organizing and Program Committees. Distinguish Supporter of DAAAM International. He was honored with Gold Medal of DAAAM International Vienna.

### **Professor Dr Mahmud (Masha) Dikic (1943- 2010)**

Founding Member of DAAAM International Vienna 1990. Professor at University of Sarajevo, Bosnia and Herzegovina and University of Waterloo, Canada. Founder and President of DAAAM Bosnia and Hercegovina and DAAAM Canada. Member of International Organizing / Program / Scientific / Review Committees. Author. Honored with Gold Medal of DAAAM International Vienna.

### **M. Sc. Dipl.-Ing. Ivan Ivancic (1952-2004)**

Ericsson - Tesla, Zagreb, Croatia, International Coordinator for the field Maintenance, Member of International Organizing / Program / Review Committees.

### **Professor Dr Zdenko Kordic (1949-2004)**

University of Mostar and University of Split, Founder and First Rector of the University of Mostar, Member of Rectors' Honor Committee, Founding member of the pilot projects Interuniversity Doctoral Studies and Virtual University. Member of International Program and Scientific Committees. Author. He was honored with Medal of DAAAM International Vienna.

### **Professor Ivana Burdjelez (13.12.1955-11.11.2013)**





Institute for Production Engineering and Laser  
Technology / Intelligent Manufacturing Systems



Vienna 2013-11-13  
To whom may it concern

Head  
Professor Dr h.c.multi.Prof.h.c.Dr sc.  
**Branko Katalinić**

President of DAAAM International Vienna  
President of Central European Branch, International Academy of Engineering  
TU Wien, IFT/IMS, Karlsplatz 13/311, A-1040 Vienna, Austria, EU  
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**Subject: In memoriam Profesorica Ivana Burdjelez**

Prijateljima,

Čovjek u životu susretne mnogo ljudi, neki prodju poput sjene od koje trenutak kasnije ne ostane nikakovo sjećanje niti trag. S druge strane postoje rijetki ljudi koji se u trenutku upoznavanja čine odnekud tako poznati, prirodni, puni povjerenja i povezanosti, ta poznanstva se pretvaraju u životna poznanstva i suputništvo duša za čitav život.

Profesorica Ivana Burdjelez spadala je u ovu skupinu rijetkih, plemenitih i dobrih hrvatskih ljudi.

Moje poznanstvo seže u poratnu 1998. godinu kada smo organizirali prvi veliki medjunarodni skup u poslijeratnom Dubrovniku. Te godine smo u vremenu 23-25-og listopada organizirali "The 8th DAAAM International Symposium on Intelligent Manufacturing & Automation" u tek djelomično obnovljenoj zgradi Medjunarodnoga centra za poslijediplomske studije, Sveučilišta u Zagrebu. Tim Sveučilišta u Zagrebu je vodio rektor Marijan Šunjić i prorektorice Helena Jasna Mencer i Mirjana Polić Bobić, a u Dubrovniku je Profesorica Ivana Burdjelez sa svojim lokalnim timom u sasvim nenormalnim uvjetima nemoguće stvari činila mogućim.

U ime velike medjunarodne obitelji DAAAM International koja okuplja trinaestak tisuća profesora, istraživača i znanstvenika iz preko pedeset zemalja svijeta pripala mi je tužna zadaća da kao predsjednik izrazim naša duboka suošćenja sa svima koji su se nalazili u životnom krugu ozračja naše drage Ivane.

U znak zahvalnosti DAAAM International je odlučio posmrtno odlikovati Profesoricu Ivanu Burdjelez Zlatnom Medaljom za izvanredni doprinos organiziranju medjunarodne akademske i znanstvene suradnje u okvirima DAAAM International Vienna.

Mi smo sretni i zahvalni da smo imali životnu privilegiju dijeliti trenutke života, rada i radosti s Ivanom.

Laka joj bila zemlja hrvatska, zemlja dubrovačka.

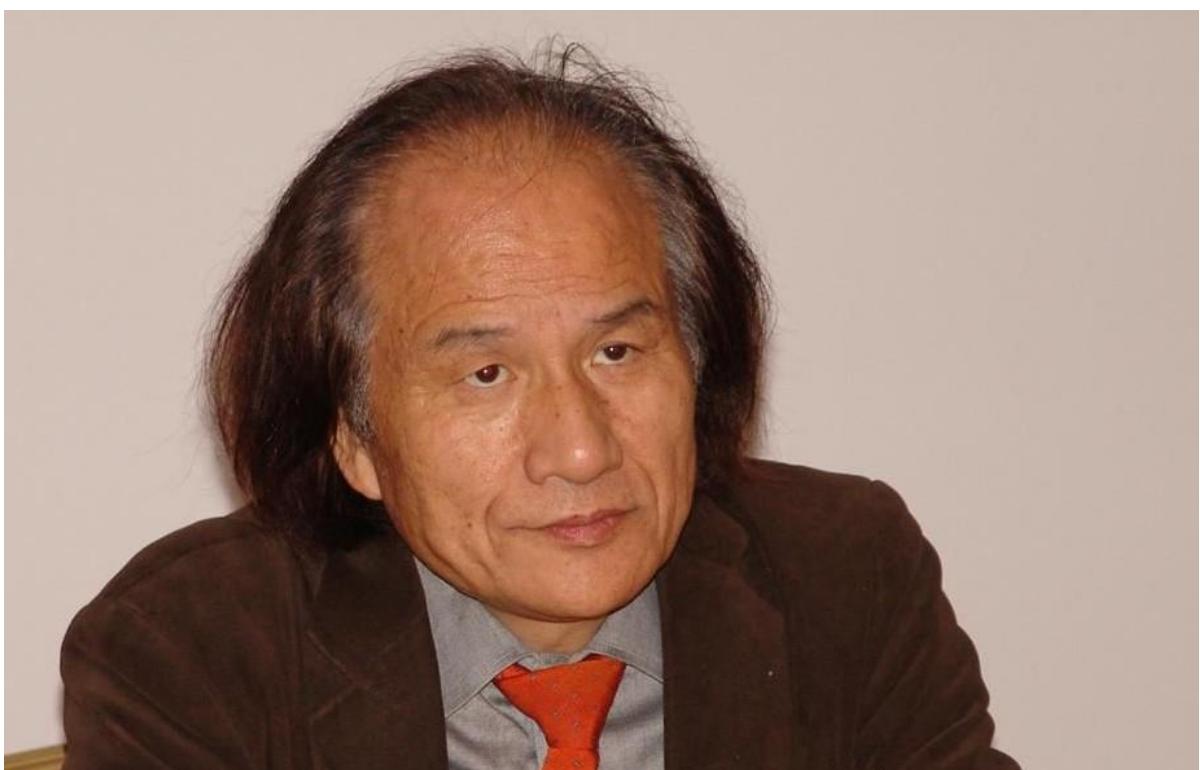
*Univ. Prof. Dipl.-Ing. Dr. techn. Dr.mult.h.c.Prof.h.c.*



*Branko Katalinić*

**Professor Kanji Ueda**

**13.10.1946 \* - 11.11.2015 †**



# GOLD MEDAL OF DAAAM INTERNATIONAL

On the occasion of 10<sup>th</sup> DAAAM International Symposium in 1999, DAAAM International introduced the Gold Medal of DAAAM International “for excellence in the science, technology, and international scientific co-operation in the framework of DAAAM International Vienna” as a highest recognition for individual persons and institutions. The medal is designed by B. Katalinic, produced by Moscow State Mint Institute and sponsored by Moscow State University of Technology "Stankin" and Cassandra Trust – Ireland. Maximal one person and/or one institution are honoured by medal in one year.

## JUBILEE GOLD MEDAL OF DAAAM INTERNATIONAL

On the occasion of 20<sup>th</sup> DAAAM International Symposium in 2009, DAAAM International introduced the Jubilee Gold Medal of DAAAM International “for excellence in the science, technology, and international scientific co-operation in the framework of DAAAM International Vienna” as a highest recognition for individual persons and institutions. The medal is designed by B. Katalinic and S. Egorov, produced by Moscow State Mint Institute and sponsored by Cassandra Proxy Inc. (British Virgin Islands). This medal is dedicated for the honor of people and institutions for their achievements and contributions to the science and technology and international academic and scientific cooperation and their support of DAAAM activities.



Jubilee Gold Medal of DAAAM International

# HONOR MEDAL OF DAAAM INTERNATIONAL

In order to mark 25 Symposiums and 200 Years of Vienna University of Technology we established DAAAM International Network Honor Medal. This Medal is intended for the people and the institutions who made significant contribution in DAAAM international activities or significantly supported DAAAM as supporter, sponsor or partner. The Medal is designed by B. Katalinic, D. Haskovic and realized by courtesy of S. Egorov, produced by Moscow Mint Gosznak. This Medal is dedicated for the honor of people and institutions for their achievements and contributions to the science and technology and international academic and scientific cooperation and their support of DAAAM activities.



Honor Medal of DAAAM International

# 30<sup>TH</sup> SYMPOSIUM DAAAM INTERNATIONAL NETWORK HONOR MEDAL

On the occasion of 30<sup>th</sup> DAAAM International Symposium in 2019, DAAAM International introduced the DAAAM International Network Honor Medal “for excellence in the science, technology, and international scientific co-operation in the framework of DAAAM International Vienna” as a highest recognition for individual persons and institutions. The medal is designed by B. Katalinic, produced by Münze Österreich AG from pure Silver 999. This medal is dedicated for the honor of people for their extraordinary achievements and contributions to the science and technology international academic and scientific cooperation and their support of DAAAM activities.



30th Symposium DAAAM International Network Honor Medal

# DAAAM AWARDS

## 1.0 BEST PAPER / PRESENTATION DAAAM AWARD

Since 1999 the DAAAM International Vienna recognizes excellence of contributions in a number of ways. There are three categories for papers:

- Best Paper Award of DAAAM International for the best paper presented at Symposium,
- DAAAM International Award for Best Oral Presentation of Paper,
- DAAAM International Award for Best Visual Presentation of Paper.

The Awards are made at the Closing Section and Best Paper Award Ceremony of the Symposium. The Award Committee of DAAAM International makes the evaluation of presented papers during the Symposium. The final decisions are made by the President of the Award Committee of DAAAM International. Former Presidents of the Paper Award Committee of DAAAM International are: 2008 Professor Cosmonaut and Master of Sport Alexey Eliseev, 2007 Professor Kanji Ueda & Professor Vladimir Filaretov, 2006 Professor Vladimir Filaretov, 2005 Professor Ueda, 2004 Professor Franc Cus, 2003 Professor Jyri Papstel, 2002 Professor Kanji Ueda, 2001 Professor Toma Udiljak, 2000 Professor Jyri Papstel, and 1999 Professor Kanji Ueda. The President and the final list of the members of the Committee will be announced at Opening Ceremony of the Symposium. All (co)authors of awarded papers are getting the certificate, the paper (main author) additionally getting Best Paper Medal. The layout of the Best Paper Medal you can see at the cover of this publication. The papers which authors are member of the Award committee and the papers which are not presented at Symposium are excluded from competition and can not get the Award.

## 2.0 DAAAM INTERNATIONAL YOUNG RESEARCHER AND SCIENTIST AWARD

DAAAM International Vienna wants to recognize excellence of contributions of young researchers and scientists, and their supervisors and mentors. Starting with the 1st European DAAAM International Young Researchers' and Scientists' Conference, and 18th DAAAM International Symposium "Intelligent Manufacturing and Automation: Focus on Creativity, Responsibility and Ethics of Engineers", which are held 24-27th October 2007 in Zadar, Croatia, the best young researchers and scientists will be honoured by "DAAAM International Young Researchers and Scientist Award" Awards are possible in following categories:

Related to:	Categories:
<b>Paper:</b>	Best Paper / Best Oral Presentation / Best Graphic Presentation / Best Poster Presentation / Best Demonstration
<b>Supervisor / Mentor:</b>	Best Supervisor/Mentor / Best Team Manager / Best Project Manager / Best Leader / Best Female Supervisor
<b>Quality of Project / Research:</b>	Best Industrial Project / Best Research Project / Best Application / Best Innovation / Best Theory
<b>Contest:</b>	Interdisciplinarity / European Relevance / Future Oriented / Ethics / Harmony with Nature
<b>Thesis:</b>	Best Bachelors Thesis / Best Master Thesis / Best Diploma Thesis / Best MBA Thesis / Best PhD/Doctor Thesis
<b>Team:</b>	Best Team / Best University Team / Best Firm / Best International Team / Youngest Team

In the case of extraordinary contributions which can not be expressed by above mentioned recognitions is possible to make a Special Award. The Awards are made at the Closing Section of the Symposium. The final decision is made by President of the Award Committee of DAAAM International for actual year. Former Presidents of the Award Committee are recognised international leading experts and professors. All awarded authors and co-authors of paper are getting attractive **DAAAM International Best Award Certificate**. The Award Certificates are personal, very nice professional designed, framed and ready to hang in your room.

**Very Important:** The papers which authors are member of the Award Committee and the papers which are not presented at Symposium are excluded from competition and can not get the Award.

### 3.0 FESTO YOUNG RESEARCHERS AND SCIENTISTS SUPPORT SCHOLARSHIP

Since 2007 concern Festo gives, by courtesy of Dr. Wilfried Stoll, support scholarship to excellent young researchers and scientists to present own research results at European DAAAM International Young Researchers' and Scientists' Conferences, and DAAAM International Symposiums "Intelligent Manufacturing and Automation". This scholarship covers conference fee, accommodation and (partly) travel expenses. Conditions for winning this scholarship are: candidate must come to conference and must present own research results, candidate must have high quality research and presentation, and candidates have to come from different countries. The winners are getting special "Festo Prize" certificate. The awards are made at the closing award ceremony and given by high representative of concern Festo Ing. Wolfgang Keiner, general manager Festo Austria.

2007-2018 Festo Prize Winners are:

Aisman, David / Andrllic, Berislav / Anghel, Florina / Arrigoni Tea / Aruvaeli, Tanel / Asif, Farazee M A / Avisans, Didzis / Avram, Georgia - Cezara / Babic, Darko / Baciu, Florin / Badea, Ruxandra / Bahtovski, Aleksandar / Baicu, Andrei Valentin / Baier, Oliver / Barsic, Gorana / Barta, Jozef / Bas, Gokcen / Bashkite, Viktoria / Begic-Hajdarevic, Derzija / Blidisel, Rodica / Bobko, Evgeny Urievich / Bobovcan Marcelic, Martina / Bodini, Ileana / Boudna, Hana / Boumella, Nora / Bruscas Bellido, Gracia M. / Brutans, Valdis / Budic, Hrvoje / Budimir, Verica / Bujdei, Catalin / Carvalho, Helena / Cesarec, Paulina / Charvatova, Hana / Chernus, Pavel / Chiscop, Florina / Chomat, Ludek / Cip, Pavel / Claudia Violeta, Briceag / Coenen, Andre / Copilusi, Cristian / Cosoi, Alexandru Catalin / Costache, Anca Georgiana / Coteata, Margareta / Cubrova, Jana / Cuciumita, Cleopatra Florentina / Dana, Iulia Florentina / Dana, Milan / Daneshmand Malayeri, Amin / Dang, Duc Viet / Deac, Crina Narcisa / Deac, Gicu Calin / Deigendesch, Tobias / Dobransky, Jozef / Dokoupil, Jakub / Domazet, Ervin / Dragan, Dinu Jon / Drimus, Alin Marian / Dumitrescu, Diana Mariana / Dvorak, Josef / Fajsi, Angela / Fedoryshyn, Roman / Filipescu, Hannelore / Filipowicz, Krzysztof Z. / Fucak, Sanjin / Gall, Robert / Gastermann, Bernd Christian / Gerlich, Vladimir / Gjelaj, Afrim / Gjeldum, Nikola / Gorbachev, Georgy / Gornostajev, Dmitri / Grigorescu, Costin - Marius / Grzesiak, Dariusz / Haupt, Conrad / Hecht, Kerstin / Hennersdorf, Sibylle / Horvatic, Amalija / Ilii, Sanda / Iosub, Adrian / Iovanas, Razvan / Irgolic, Tomaz / Ivan, Mario / Ivanov, Alexander / Jirkova, Hana / Karakulov, Maksim / Kettler, Roman / Kirsanov, Kirill / Komenda, Titanilla Vanessa / Konobritskiy, Dmitry / Konoplin, Nikita / Korenev, Alexey Anatoljevich / Kosterev, Dmitrii / Kovacs, Laura / Kovacs, Zoltan / Kramarenko, Sergei / Kretzschmar, Michael / Kroupa, Tomas / Kudelka, Josef / Kuncar, Ales / Kuts, Vladimir / Lancini, Matteo / Liska, Jan / Lita, Andra / Logins, Andris / Lorenc, Vlastimil / Maczka, Janusz J / Madhwal, Yash / Mahmood, Kashif / Majerik, Jozef / Majic Renjo, Marijana / Makraiyo, Jana / Malik, Ali Ahmad / Malnar, Damir / Maric Petar / Marinescu, Dan Andrei / Marinovic, Maja / Marjanovic, Tomislav / Matsi, Birthe / Medojevic Milovan / Medojevic, Milovan / Mezentsev, Mikhail / Mikhaylov, Maxim / Mikhaylov, Maxim / Miksanek, Vojtech / Mikulicova Michaela / Milde, Jan / Militzer, Joerg / Misak, Stanislav / Mitin, Fedor / Mogilnikov, Pavel / Moise, Cristian / Necesal, Lubos / Nica, Gabriela Beatrice / Nikolic, Bojana / Noskovicova, Lucia / Ojstersek, Robert / Oros, Ramona / Palikova, Katerina / Parpala, Lidia Florentina / Patricia Morala - Arguello / Pekshujev, Deniss / Pelau, Corina / Pienkowski, Grzegorz / Pillay, Nelendran / Pinjuh, Ana / Pinzon Chica, Roger Jesus / Piscan, Iuliana / Pleshakov, Konstantin / Popa, Adina / Popa, Cicerone Laurentiu / Popa, Diana Mariana / Popescu, Jeni / Popova, Liubov Petrovna / Pres, Pawel / Pribytkova, Marina / Prodromou, Dimitrios / Protcenko, Aleksandr / Prysev, Evgeniy Aleksandrovich / Radosevic, Marko / Radovici, Alexandru / Radulovic, Anja / Radziwon, Agnieszka / Rancea, Irina / Randmaa, Merili / Rao, P. Sudhakar / Ratkus, Andris / Ruzarovska, Roman / Saharov, Natalia / Sansomboonsuk, Siriluk / Sarkans, Martins / Saulescu, Radu / Sauter, Christian / Savu, Ionut / Seckar, Jan / Sedlacek, Frantisek / Sekoranja, Bojan / Seremet, Zeljko / Shah, Chintal / Shah, Rima / Shin, Seung Ki / Shirobokov, Konstantin / Sibgatullina, Taisiya / Siketova, Katarina / Simjanoska, Monika / Simunovic, Vedran / Solovyev, Mikhail / Sonk, Kaimo / Spoljaric, Zeljko / Sremcev, Nemanja / Stancic, Ivo / Staroveski, Tomislav / Starshev, Denis Vladimirovich / Stefanic Anja / Stembalski, Marek / Stepanova Daria / Stepanova, Daria / Stimac, Sanjin / Stuparu, Adrian / Subramanian, Arunkumar / Suleykin, Alexander / Suligoj, Filip / Sunjic, Darko / Svaco, Marko / Szendrei, Danny / Tache, Alina Alexandra / Tache, Florin / Tanasa, Raluca / Tangjitsitcharoen, Somkiat / Tarasova Victoria / Teeravaraprug, Jirarat / Tekic, Zeljko / Tera, Melania / Tomasek Pavel / Torims, Toms / Tuladhar, Upendra Mani / Turic, Mili / Tzenov, Velislav / Uta, Daniela / Vagovsky, Juraj / Vala, Radek / Vancea, Smaranda / Vatau, Steliana / Vekic, Aleksandar / Velic, Melisa / Vesely, Ivo / Vesely, Libor / Vesely, Milos / Vidovic, Natasa / Vilag, Valeriu / Vilcans, Janis / Vlasceanu, Daniel / Volkova, Natalia / Vologdin, Sergey / Vopat, Tomas / Vorotnikov, Andrei / Vukelic, Goran / Vukovic Aleksandar / Wegner, Andreas / Wongkasem Kan / Yu, Fei / Zarins, Marcis / Zatopek, Jiri / Zatopek, Jiri / Zaujec, Rudolf / Zbranek, Pavel / Zemann, Richard / Zenzerovic, Paolo / Zouzelkova, Iveta

#### 4.0     **BEST DIGITAL PHOTO DAAAM AWARD**

Importance of digital photography for research, publishing and social relations is rapidly increased during last time. For that reason we are going to establish DAAAM International Photo Gallery with photos which are related to the symposium and our activities (place, people, situation, art, special effects). The gallery will be free accessed and searchable. For this project we are looking for amateur photographs among the participants to be official photographs of DAAAM International and member of DAAAM International Photo Team. Digital photos can be given during the symposium to the organizer, or send after symposium by e-mail. All photos which are technically good made will be included in the gallery. On the next symposium the up to three authors of nicest photos will get Best Digital Photo Award.

#### 5.0     **BEST TASTE AND SMELL OF DAAAM AWARD**

"Best Taste and Smell of DAAAM International": Many of colleagues in DAAAM International network are excellent hobby cooks, liquor maker or winemaker. Each year we are making small tasting of their specialities under the motto "Best taste and smell of DAAAM International". Authors are encouraged to bring some self-made specialities to DAAAM symposium. The best will be honoured with "Best Taste and Smell DAAAM International Award". Due to the internal regulation in Austria Center Vienna in the year 2009 this activity will be not organised.



Jubilee Gold Medal of DAAAM International

# DAAAM INTERNATIONAL NETWORKS

## DAAAM INTERNATIONAL UNIVERSITY NETWORK

<b>Member organisation</b>	<b>Delegate</b>
DAAAM International Vienna	<i>President Univ. Prof. Dipl.-Ing. Dr. techn. Dr.mult. h.c. Branko Katalinic</i>
Danube Rectors' Conference	<i>Professor Dr. sc. Franci Cus</i>
Budapest University of Technology and Economics, Budapest	<i>The members of Permanent Committee have to be nominated by Budapest University of Technology and Economics</i>
Josip Juraj Strossmayer University of Osijek	<i>Professor Dr. sc. Dragomir Krumes</i>
Moscow State University of Technology "Stankin", Moscow	<i>President Professor Dr. Sci. (tech.) Member of Russian Academy of Science Juri M. Solomentsev / Univ. Prof. Dipl.-Ing. Dr. Sergey Egorov</i>
Moscow Power Engineering Institute – Technical University	<i>Rector Professor Dr.sc. Nikolai Rogalev</i>
Romanian-American University of Bucharest, Bucharest	<i>Univ.Sen.Lect. Dipl.-Ing. Dr. techn. George Carutasu Univ.Sen.Lect. Dipl.-Math. Dr. techn. Cezar Botezatu</i>
Slovak University of Technology Bratislava	<i>Professor Dr. Marian Vesely Professor Ladislav Javorcik</i>
Tallinn Technical University	<i>Professor Rein Kyttner</i>
Tomas Bata University, Zlin	<i>Professor Dr. Sc. Ing. Vladimir Vasek</i>
Technical University of Cluj-Napoca, Cluj-Napoca	<i>Rector Prof.univ.dr.ing. Aurel Vlaicu</i>
University of Novi Sad, Novi Sad	<i>Professor Dr Ilija Cosic</i>
Technical University of Kosice, Kosice,	<i>Prof. Ing. Anton Cizmar</i>
University Politehnica of Bucharest, Bucharest	<i>Professor Dr. Eng. Horia Gheorghiu Professor Dr. Eng. Costel Cotet</i>
University of Maribor, Maribor	<i>Professor Dr. sc. Jozef Balic</i>
University of Miskolc, Miskolc	<i>Professor Dr Gabor Terstyanszky</i>
University of Mostar, Mostar, B & H	<i>Rector Prof. Dr. sc. Zoran Tomic</i>
University of Novi Sad, Novi Sad, Serbia	<i>Professor Emeritus Dr. Ilija Cosic</i>
University of Prishtina, Prishtina, Kosovo	<i>Vice-Rector Prof. Dr. Ahmet Geca / Prof.-Dr. Bajrush Bytyci Professor Josip Brnic, Ph.D.</i>
University of Rijeka, Rijeka	<i>Rector Professor Dr. Simun Andjelkovic</i>
University of Split, Split	<i>Professor Dr. Eng. Mihael Chircor</i>
University Ovidius of Constanta, Constanta	<i>Rector Professor Dr. Damir Boras</i>
University of Zagreb, Zagreb	

## UNIVERSITY CHARTER OF DUBROVNIK

*The text of the University Charter of Dubrovnik:* We, the representatives of different Universities and Institutions, after two years preparation at the meeting initiated and organized by The Danube Adria Association for Automation & Manufacturing, DAAAM International under the auspices of The Danube Rectors' Conference on the occasion of the Eighth International DAAAM Symposium "Intelligent Manufacturing & Automation" held at the International Center of Croatian Universities (University of Zagreb) in Dubrovnik, Croatia, decided to found the University Network of DAAAM International Vienna as a strategic alliance and permanent open platform for long-term co-operation and partnership in all fields of technology, research and education.

The co-operation has to be continuously organized and is based on the partnership, friendship, tolerance, appreciation and positive experience of international scientific co-operation within the framework of DAAAM International during the last eight years. The co-operation can use different flexible forms, structures and aspects. The practical co-operation will be project-based organized. The highest priority is given to the organization of two long - term projects, initially known as: Interuniversity Doctoral Studies and a pilot project Virtual University. Signed by the founding members in Dubrovnik, Croatia, on the twenty-third of October 1997

## DAAAM INTERNATIONAL NETWORK FOR ADVANCED TECHNOLOGIES

*The text of the Network founding document:* We, the representatives of different Universities, Institutions, and Firms at the meeting initiated and organized by The Danube Adria Association for Automation & Manufacturing, DAAAM International Vienna under the auspices of The Danube Rectors' Conference on the occasion of the Thirteenth International DAAAM Symposium "Intelligent Manufacturing & Automation: Learning from Nature" held at the Vienna University of Technology and Austrian Society of Engineers and Architects in Vienna, Austria, decided to found the DAAAM International Network for Advanced Technologies as a strategic alliance and permanent open platform within European Research Area for long-term co-operation and partnership in all fields and aspects of research, developing, transfer, education and use of advanced technologies.

The co-operation has to be continuously organized and had to be based on the partnership, friendship, tolerance, appreciation and positive experience of international scientific co-operation within the framework of DAAAM International during the last fourteen years. The co-operation can use individual flexible project oriented forms, structures and aspects and support the young researchers' mobility as well. The practical co-operation will be project-based organized. The highest priority is given to the organization of long - term international cooperation projects focused on advanced technologies for balanced development and harmony between men, technology and nature. The network has to be platform for dissemination of relevant information and ideas, supporting international partnership and encouraging of cooperation initiatives. Signed by the founding members in Vienna, Austria, European Union, on the twenty-fifth of October 2002

**Activity No. 1:** The conference bags and flags for DAAAM 2003 in Sarajevo are sponsored by the Faculty of Textile Technology, University of Zagreb, and organised by Professor Z. Dragcevic as the first activity in the frame of DAAAM International Network for Advanced Technologies.

## DAAAM INTERNATIONAL NETWORK FOR MECHATRONICS AND ROBOTICS

*The text of the Network founding document:* We, the representatives of different Universities, Institutions, and Firms at the meeting initiated and organized by The Danube Adria Association for Automation & Manufacturing, DAAAM International Vienna under the auspices of The Danube Rectors' Conference on the occasion of the Fifteenth International DAAAM Symposium "Intelligent Manufacturing & Automation: Globalisation - Technology - Men - Nature" held at the Vienna University of Technology and Austrian Society of Engineers and Architects in Vienna, Austria, decided to found the DAAAM International Network for Mechatronics and Robotics as a strategic alliance and permanent open platform within European Research Area for long-term co-operation and partnership in all fields and aspects of research, developing, transfer, education and use of advanced technologies.

The co-operation has to be continuously organized and had to be based on the partnership, friendship, tolerance, appreciation and positive experience of international scientific co-operation within the framework of DAAAM International during the last fifteen years. The co-operation can use individual flexible project oriented forms, structures and aspects and support the young researchers' mobility as well. The practical co-operation will be project-based organized. The highest priority is given to the organization of long - term international cooperation projects focused on advanced technologies for balanced development and harmony between men, technology and nature. The network has to be platform for dissemination of relevant information and ideas, supporting international partnership and encouraging of cooperation initiatives. Signed by the founding members in Vienna, Austria, European Union, on the fifth of November 2004

# DAAAM INTERNATIONAL BOOKS

The DAAAM International initiated publishing of books in the field of advanced manufacturing and automation. There are three series: "Manufacturing technology", "DAAAM International University Book" and "Management Sciences". Till now the following books are published:

## DAAAM Publishing series - Manufacturing technology:

1. **Joze Balic:** "*Contribution to Integrated Manufacturing*", DAAAM Publishing series - Manufacturing technology, Editor: B Katalinic, ISBN 3-901509-03-8, DAAAM International Vienna, Vienna 1999
2. **Borut Buchmeister:** "*English-Slovene Glossary of Terms used in Production Engineering and Production Management*", DAAAM Publishing series - Manufacturing technology, Editor: B Katalinic, ISBN 3-901509-17-8, DAAAM International Vienna, Vienna 2000 (Promotion at DAAAM 2000 - Opatija)
3. **Joze Balic:** "*FMS: Development Structure, Operation, Handling, Tooling*", DAAAM Publishing series - Manufacturing technology, Editor: B Katalinic, ISBN 3-901509-20-8, DAAAM International Vienna, Vienna 1999
4. **Joze Balic & Niko Majdandzic:** "*Digit@l F@ctory*", DAAAM Publishing series - Manufacturing technology, Editor: B Katalinic, ISBN 3-901509-67-4, DAAAM International Vienna, Vienna 2008

## DAAAM Publishing series - University Book:

5. **Vlado Majstorovic:** "*Upravljanje proizvodnjom i projektima – Production and Project Management*", (in Croatian) DAAAM International University Book, Editor: B Katalinic, ISBN 3-901509-23-2, DAAAM International Vienna and University of Mostar, Mostar – Vienna, 2001 (Promotion at International Conference in Mostar, May 31st, 2001)
6. **Dragan Covic, Vlado Majstorovic, Vojo Visekruna:** "*Poslovni sustavi – Business Systems*", (in Croatian) DAAAM International University Book, Editor: B Katalinic, ISBN 3-901509-22-4, DAAAM International Vienna and University of Mostar, Mostar – Vienna, 2001 (Promotion at International Conference in Mostar, May 31st, 2001)

## DAAAM Publishing series – Scientific Monograph:

7. **Iztok Palcic**, Industrial Clusters, DAAAM International, Editor: B. Katalinic, ISBN-10 3-901509-80-1; ISBN-13: 978-3-901509-80-3, DAAAM International Publishing, Vienna, 2007

## DAAAM Publishing Series – Management Science:

8. **Dragan Covic:** "*Inventivnost Tima – Vodic za menedzere*", (in Croatian) DAAAM International University Book, Editor: B Katalinic, ISBN 3-901509-25-4, DAAAM International Vienna and University of Mostar, Mostar – Vienna, 2003. (Promotion October 2003, Sarajevo – Mostar)
9. **Zvonko Kremljak:** "*Decision making under risk*", DAAAM International University Book, Editor: B Katalinic, ISBN 3-901509-44-5, DAAAM International Vienna, Vienna 2004 (Promotion at DAAAM 2004 – Vienna)
10. **Zvonko Kremljak & Borut Buchmeister:** "*Uncertainty and Development of Capabilities*", DAAAM Publishing Series – Management Science Editor: Branko Katalinic, ISBN 3-901509-55-0, DAAAM International Vienna, Vienna, 2004 (Promotion at DAAAM 2006 – Vienna)
11. **Advanced Problems in Production Management, Zvonko Kremljak & Borut Buchmeister:** "*Uncertainty and Development of Capabilities*", DAAAM Publishing Series – Management Science Editor: Branko Katalinic, ISBN 3-901509-55-0, DAAAM International Vienna, Vienna, 2004 (Promotion at DAAAM 2006 – Vienna)
12. **Andrej Polajnar; Branko Kalpic; Marjan Leber; Zvonko Kremljak; Borut Buchmeister; Petja Pizmoht; Natasa Vujica Hercog & Iztok Palcic; Zvonko Kremljak & Borut Buchmeister:** "*Advanced Problems in*



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USB version, Ed. B. Katalinic, Published by DAAAM International, Vienna, Austria, EU, 2019

*Make Harmony between Technology and Nature, and Your Mind will Fly Free as a Bird*

*Annals of DAAAM International 2019*

***Production Management***", DAAAM Publishing Series – Management Science Editor: Branko Katalinic,  
ISBN 3-901509-81-X, DAAAM International Vienna, Vienna, 2009 (Promotion at DAAAM 2009 – Vienna)



# DAAAM INTERNATIONAL SCIENTIFIC BOOK

## Background and Mission

The members of world wide DAAAM international community expressed the need for one flexible publishing platform for the presentation of own actual (international) research projects, recent results, and technical solutions. To fulfil this need in the frame of the DAAAM International publishing activities we started in 2002 new periodical edition known as DAAAM International Scientific Book. This is the open series for the publishing of the most resent research results and international projects from all technical fields and scientific disciplines which are in the field of interest of DAAAM International. Actuality, competence, team work, interdisciplinary and international cooperation are the main characteristics of this initiative

## Concept

The main concept of this edition is: One contribution is one chapter in the Scientific Book. The size of the contribution can be extended in such way that the authors have enough space to present and explain background, project, ideas, results and future work.

## Review Procedure

Manuscripts are subject of the following review procedures:

- (a) It is reviewed by editor for general suitability for this publication.
- (b) If it is judged suitable two reviewers are selected and a double blind review process takes place.
- (c) Based on the recommendations of the reviewers, the editor then decide whether the particular manuscript should be accepted as it is, revised or rejected.

## Crossreferencing

2006 DAAAM International is a member of CrossRef. DOI Suffix of DAAAM International is: 10.2507 Abstracts of all contributions published in DAAAM International Scientific Book since 2006 are crossreferenced and permanent available on Internet!

## Bibliographic Databases

DAAAM International Scientific Book (ISSN 1726-9687) since 2009 is included in EBSCO and GALE Cengage bibliographic databases.



## DAAAM International Scientific Books 2002-2019

1. **DAAAM International Scientific Book 2002**, ISBN 3-901509-30-5, hard cover, 713 pages, Publisher DAAAM International Vienna, Editor: B[ranko] Katalinic, Vienna, 2002. (Promotion of the book at DAAAM 2002 Vienna, 2002-10-23/26)
2. **DAAAM International Scientific Book 2003**, ISSN 1726-9687, ISBN 3-901509-36-4, 654 pages, hard cover, Publisher DAAAM International Vienna, Editor: B[ranko] Katalinic, Vienna 2003. *Abbreviated key title: DAAAM int. sci. book* (Promotion of the book at DAAAM 2003 Sarajevo 2003-10-22/25)
3. **DAAAM International Scientific Book 2004**, ISSN 1726-9687, ISBN 3-901509-38-0, 730 pages, hard cover, Publisher DAAAM International Vienna, Editor: B[ranko] Katalinic, Vienna 2004. *Abbreviated key title: DAAAM int. sci. book* (Promotion of the book at DAAAM 2004 Vienna 2004-11-03/06)
4. **DAAAM International Scientific Book 2005**, ISSN 1726-9687, ISBN 3-901509-43-7, 728 pages, hard cover, Publisher DAAAM International Vienna, Editor: B[ranko] Katalinic, Vienna 2005. *Abbreviated key title: DAAAM int. sci. book*
5. **DAAAM International Scientific Book 2006**, ISSN 1726-9687, ISBN 3-901509-47-X, 692 pages, hard cover, Publisher DAAAM International Vienna, Editor: B[ranko] Katalinic, Vienna 2006. *Abbreviated key title: DAAAM int. sci. book*
6. **DAAAM International Scientific Book 2007**, ISSN 1726-9687, ISBN 3-901509-60-7-X, 694 pages, hard cover, Publisher DAAAM International Vienna, Editor: B[ranko] Katalinic, Vienna 2007. *Abbreviated key title: DAAAM int. sci. book*
7. **DAAAM International Scientific Book 2008**, ISSN 1726-9687, ISBN 978-3-901509-66-7, 1004 pages, hard cover, Publisher DAAAM International Vienna, Editor: B[ranko] Katalinic, Vienna 2008. *Abbreviated key title: DAAAM int. sci. book*
8. **DAAAM International Scientific Book 2009**, Vol. 8, ISSN 1726-9687, ISBN 978-3-901509-69-8, Editor: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna. *Abbreviated key title: DAAAM int. sci. book*
9. **DAAAM International Scientific Book 2010**, Vol. 9, ISSN 1726-9687, ISBN 978-3-901509-74-2, Editor: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna. *Abbreviated key title: DAAAM int. sci. book*
10. **DAAAM International Scientific Book 2011**, Vol. 10, ISSN 1726-9687, ISBN 978-3-901509-84-1, Editor: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna. *Abbreviated key title: DAAAM int. sci. book*
11. **DAAAM International Scientific Book 2012**, Vol. 11, ISSN 1726-9687, ISBN 978-3-901509-86-5, Editor: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna, 2012. *Abbreviated key title: DAAAM int. sci. book*
12. **DAAAM International Scientific Book 2013**, Vol. 12, ISSN 1726-9687, ISBN 978-3-901509-94-0, Editors: B. Katalinic & Z. Tekic, hard cover, Publisher DAAAM International Vienna, Vienna, 2013. *Abbreviated key title: DAAAM int. sci. book*
13. **DAAAM International Scientific Book 2014**, Vol. 13, ISSN 1726-9687, ISBN 978-3-901509-98-8, Editors: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna, 2014. *Abbreviated key title: DAAAM int. sci. book*
14. **DAAAM International Scientific Book 2015**, Vol. 14, ISSN 1726-9687, ISBN 978-3-902734-05-1, Editors: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna, 2015. *Abbreviated key title: DAAAM int. sci. book*
15. **DAAAM International Scientific Book 2016**, Vol. 15, ISSN 1726-9687, ISBN 978-3-902734-09-9, Editors: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna, 2016. *Abbreviated key title: DAAAM int. sci. book*
16. **DAAAM International Scientific Book 2017**, Vol. 16, ISSN 1726-9687, ISBN 978-3-902734-12-9, Editors: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna, 2017. *Abbreviated key title: DAAAM int. sci. book*
17. **DAAAM International Scientific Book 2018**, Vol. 17, ISSN 1726-9687, ISBN 978-3-902734-19-8, Editors: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna, 2018. *Abbreviated key title: DAAAM int. sci. book*



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USB version, Ed. B. Katalinic, Published by DAAAM International, Vienna, Austria, EU, 2019

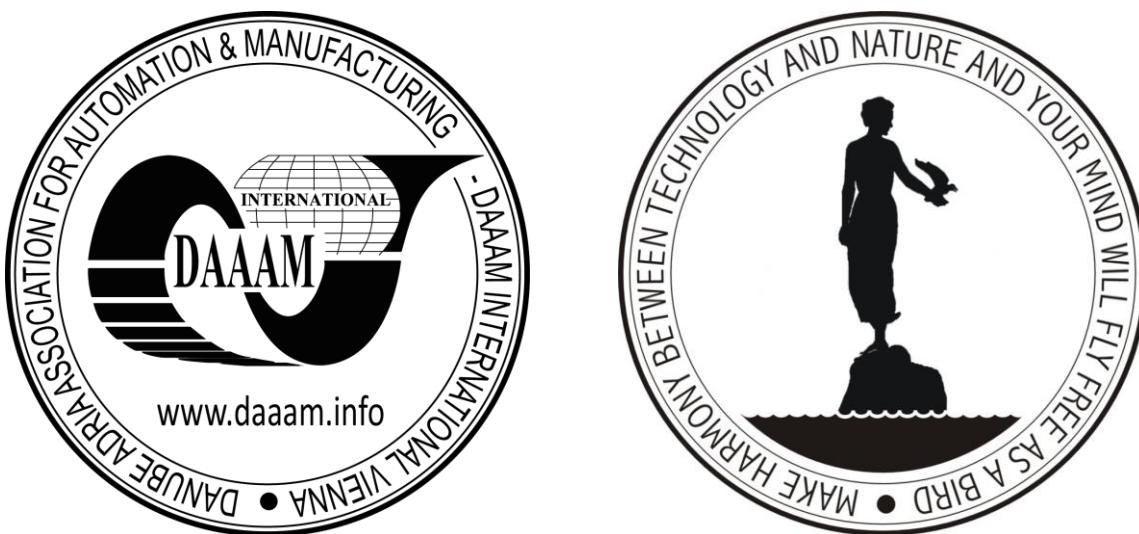
*Make Harmony between Technology and Nature, and Your Mind will Fly Free as a Bird*

*Annals of DAAAM International 2019*

18. **DAAAM International Scientific Book 2019**, Vol. 18, ISSN 1726-9687, ISBN 978-3-902734-24-2, Editors: B. Katalinic, hard cover, Publisher DAAAM International Vienna, Vienna, 2019. *Abbreviated key title: DAAAM int. sci. book*

# INTERNATIONAL JOURNAL OF SIMULATION MODELLING

<b>Title</b>	<b>International Journal of Simulation Modelling</b>
<i>Abbreviated key title</i>	<b>IJSIMM Int. j. simul. model.</b>
<i>ISSN</i>	ISSN 1726-4529
<i>Editors</i>	B[orut] Buchmeister (Editor-In-Chief); B[ranko] Katalinic (Editor)
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# DAAAM INTERNATIONAL WEEK 2019

ZADAR, CROATIA, EU, 2019-10-20/27

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DAAAM INTERNATIONAL VIENNA IN COOPERATION WITH ÖIAV 1848, VIENNA UNIVERSITY OF TECHNOLOGY, INTERNATIONAL ACADEMY OF ENGINEERING, UNIVERSITY OF MOSTAR AND UNIVERSITY OF APPLIED SCIENCES – TECHNIKUM WIEN

ACTIVITIES		DATE
1	THE 30TH DAAAM INTERNATIONAL SYMPOSIUM ON INTELLIGENT MANUFACTURING & AUTOMATION & 13TH EUROPEAN DAAAM INTERNATIONAL YOUNG RESEARCHERS` AND SCIENTISTS` CONFERENCE	2019-10-23/26
2	8TH DAAAM INTERNATIONAL DOCTORAL SCHOOL	2019-10-20/27
3	THE SIXTH SYNERGY NETWORK ANNUAL MEETING	2019-10-21/26

## Welcome Letter

It is my pleasure to welcome you at the 30th DAAAM International Symposium and 8th DAAAM International Doctoral School. DAAAM International Network is a large international network which brings together thousands of researchers and scientists during the last thirty years. We want to keep and increase the high quality of our activities that is the reason why we are continuing our international project for support development of doctoral students called "DAAAM International Doctoral School".

It is nice to welcome you as guest and member of our large family. From the very beginning of our activities in the year 1990 we are following idea of: (a) Balance between technology and nature; (b) Conference on the measure of men; (c) Partnership and cooperation and not colonialisms, and (d) Tolerance, tolerance and tolerance

I hope that you already found old friends and partners, and I wish you to make new friends for many of years coming.

I wish you success and nice time in magic city of Zadar

Branko Katalinic

President of DAAAM International

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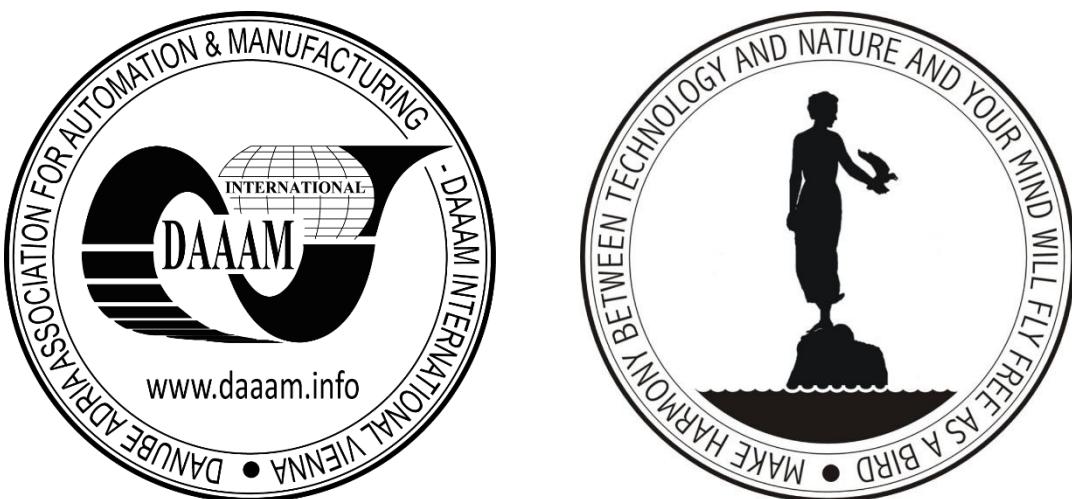
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KOSTEREV, DMITRII	POLCAR, JIRI	



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# DAAAM INTERNATIONAL DOCTORAL SCHOOL



Zadar, Croatia, EU, 2019-10-20/27

Organizers:

**DAAAM International Vienna /Moscow State Technological University „Stankin“ / The National Research University Higher School of Economics / International Academy of Engineering / Synergy Network**

Co organizers:

Austrian Society of Engineers and Architects – ÖIAV 1848 / International Academy of Engineering - Central European Branch / Baltic State Technical University / Far Eastern Federal University / FESTO / FSB - University of Zagreb / FTN - University of Novi Sad / IFT - Vienna University of Technology / International Academy of Engineering / Pontifical University of Saint Thomas Aquinas / Riga Technical University / Russian Academy of Engineering / Tallinn University of Technology / Ulsan University / University of Mostar / Russian State University for the Humanities / Moscow State Technological University Stankin / Russian Academy of Sciences - KIAM / University of Split / Moscow State University of Instrument Engineering and Informatics / University of Nagoya / Polytechnic University of Bucharest / National Research University Higher School of Economics

Supported by



## Background

The success of mankind civilization is based on science and technology. The main megatrend in the science is specialization which can be expressed with words “to know more and more about less and less”. Augmentation of complexity is dominating trend in the development of technology, this trend directly increases fragility and decrease robustness of modern machines and systems. Modern society is closely connected and very dependent on modern technology. All those machines and technologies are developed by engineers, but the role and influence of engineers in the development of the society is continuously decreasing. This process was supported by education of engineers which is focused on narrow technical specialization excluding historical contest, scientific and academic space and state of modern society. Only high level engineers with deep understanding and creativity are able to develop modern sophisticated technical products and technologies. Doctoral studies are highest level of education of engineers. This is based on specialization and focus on small fields. The results are specialists ("Fachidiot") as excellent engineers. Modern society needs additional competences from engineers.

**We need:**

1. Person with critical orientation in the historical contest of the development of the science and technology
2. Person within the scientific and academic space
3. Personalities with character and ethics
4. International networking as a individual and as a part of the team
5. Close cooperation with industry
6. Development of characteristics and abilities of engineers for knowledge based society
7. Philosophy of technology, developing scenarios and trends.
8. Philosophical approach for engineers
9. Others

DAAAM International Doctoral School is focused on support of the development of doctoral students in the direction to develop competence in those fields.

**How**

International doctoral school will use following working forms: lectures, tutorials, demonstrations, coaching, privatisimus, practical skills and critical discussions.

**Program and scheduling**

All selected candidates and professors will personally get detailed program and scheduling.

**Conditions:**

1. Candidate must be doctoral (PhD) student in engineering
2. Must be author of a paper at DAAAM-2017, he must present the paper at the conference and must pay conference fee.
3. At least one letter of recommendation for International Doctoral School from doctor father or expert in the field is needed.
4. Program, accommodation, food and services of International doctoral school are free of charge for all participants. Accommodation will be organized in **Hotel Kolovare** (<http://www.hotel-kolovare.com>)

**Diploma**

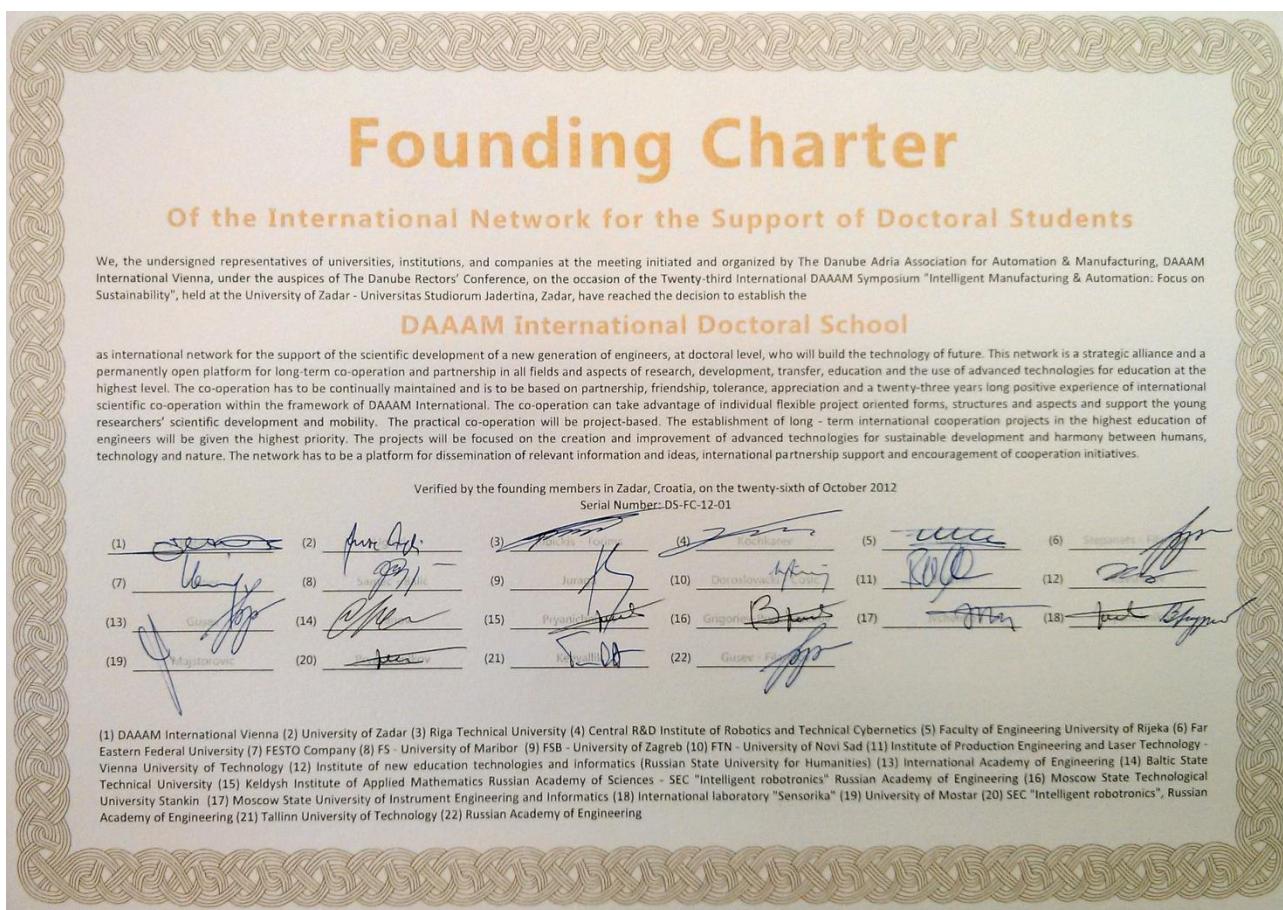
Successful participants will receive Diplomas and Diploma Supplement at the end of the Doctoral School from the University of Vienna and DAAAM International. Diploma includes 4 ECTS credit points and will be signed by President of DAAAM International and representatives of all universities and institutions who are co-organizers of 6<sup>th</sup> International Doctoral School. The list of students' contributions including presentations and exams as well as list of all involved professors and their contribution will be listed.

**International Doctoral School Professors (List is tentative!)**

- Bielic Toni, University of Zadar
- Bleicher Friedrich, Vienna University of Technology
- Celar Stipe, University of Split
- Cosic Ilija, University of Novi Sad
- Covic Dragan, University of Mostar
- Drstvensek Igor, University of Maribor
- Durakbasa Numan, Vienna University of Technology
- Filaretov Vladimir, Far Eastern Federal University
- Grabenweger Johannes, KHS GmbH
- Gusev Boris, Russian Academy of Engineering, president
- Hofmann Peter, Festo & University of
- Jerbic Bojan, University of Zagreb
- Katalinic Branko, Vienna University of Technology
- Krasic Petar, Pontifical University of Saint Thomas Aquinas

- Kusiak Andrew, University of Iowa
- Kuvshinov Sergei, Russian State University for Humanities
- Marcos Mariano, University of Cadiz
- Otto Tauno, Tallinn University of Technology
- Park Hong-Seok, University of Ulsan
- Poduraev Yuri, Moscow State Technological University Stankin
- Pryaninchnikov Valentin, Russian Academy of Sciences, KAIM
- Sikic Zoran, University of Zadar
- Stazhkov Sergej, Baltic State Technical University
- Stopper Markus, MKW GmbH
- Takakuva Soemon, University of Nagoya
- Torims Toms, Riga Technical University
- Udiljak Toma, University of Zagreb
- Uglesic Ante, University of Zadar

### Founding Chapter



22 Institutions agreed to found permanent International Network for Support of Doctoral Students under the name "DAAAM International Doctoral School" This network is open for new members. If your organization is interested in these activities you are welcome to join us 1<sup>st</sup> Version of Founding Charter was signed on 26th October 2012.



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TORIMS, TOMS

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# DAAAM INTERNATIONAL SYMPOSIUMS (1990-2019)

One important activity is organising the DAAAM International Symposium. The main objective of the Symposium is to provide a world forum, which takes place annually in Central Europe to exchange knowledge, experience, results and information related to various aspects of the advanced manufacturing and modern automation.

The scope of the Symposium covers scientific, technological and practical concepts concerning research, development and realisation of advanced manufacturing and automation concepts, offering a unique opportunity for experts to meet and exchange ideas. The Symposium is concerned with the current status of automation and manufacturing, methods and results of research and development, as well as application problems and publishes proceedings accordingly.

<b>2019</b>	
On the occasion of Date & Place Organized by	<b>30th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation"</b> 200 Years of Vienna University of Technology, 30 Years of DAAAM International 23rd-26th November 2019, Zadar, Croatia DAAAM International Vienna/ Austrian Society of Engineers and Architects / International Academy of Engineering / Vienna University of Technology Danube Rectors' Conference
Under the auspices of Organizers	Covic, Dragan – President of Organizing Committee / Katalinic, Branko – President of DAAAM International / Gusev, Boris – President of International Academy of Engineering / Uglesic, Ante – Coordinator of Organizing Committee / Colak, Ivo / Cosic, Ilija / Bevanda Ivan / Bosnjak Igor / Cvetkovska, Roberta / Egorov, Sergey / Filaretov, Vladimir / Hoeller, Liane / Knezovic Nikola / Kostolani, David / Kukushkin, Ilya / Naumburger, Joerg / Panfilov, Peter / Park, Hong-Seok / Planinic, Igor / Primorac, Vilim / Pryanichnikov, Valentin / Serement Zeljko / Stazhkov, Sergey / Tekic, Zeljko / Tomic, Zoran / Udljak, Toma / Vladov, Marek / Zec, Ante / Zec, Ilija (Secretary) / Zec, Luka
Publication	Proceedings are published in three forms: Book form of Proceedings by Curran Proceedings – New York; USB Proceedings and OnLine Proceedings by DAAAM International
Editor	B[ranko] Katalinic
<b>2018</b>	
On the occasion of Date & Place Organized by	<b>29th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation"</b> 200 Years of Vienna University of Technology, 25 Years of DAAAM International 24th-27th November 2018, Zadar, Croatia DAAAM International Vienna/ Austrian Society of Engineers and Architects / International Academy of Engineering / Vienna University of Technology Danube Rectors' Conference
Under the auspices of Organizers	Covic, Dragan – President of Organizing Committee / Katalinic, Branko – President of DAAAM International / Gusev, Boris – President of International Academy of Engineering / Uglesic, Ante – Coordinator of Organizing Committee / Colak, Ivo / Cosic, Ilija / Cvetkovska, Roberta / Egorov, Sergey / Filaretov, Vladimir / Fuerst, Laurenz / Haskovic, Damir (Secretary) / Hoeller, Liane / Kostolani, David / Kukushkin, Ilya / Naumburger, Joerg / Panfilov, Peter / Park, Hong-Seok / Planinic, Igor / Primorac, Vilim / Pryanichnikov, Valentin / Stazhkov, Sergey / Tekic, Zeljko / Tomic, Zoran / Udljak, Toma / Vladov, Marek / Zec, Ante / Zec, Ilija / Zec, Luka
Publication	Proceedings are published in three forms: Book form of Proceedings by Curran Proceedings – New York; USB Proceedings and OnLine Proceedings by DAAAM International
Editor	B[ranko] Katalinic
<b>2017</b>	
On the occasion of Date & Place	<b>28th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation"</b> 200 Years of Vienna University of Technology, 25 Years of DAAAM International 8th-11th November 2017, Zadar, Croatia

Organized by	DAAAM International Vienna/ Austrian Society of Engineers and Architects / International Academy of Engineering / Vienna University of Technology
Under the auspices of Organizers	Danube Rectors' Conference Covic, Dragan – President of Organizing Committee / Katalinic, Branko – President of DAAAM International / Gusev, Boris – President of International Academy of Engineering / Uglesic, Ante – Coordinator of Organizing Committee / Colak, Ivo / Cosic, Ilija / Cvetkovska, Roberta / Egorov, Sergey / Filaretov, Vladimir / Haskovic, Damir (Secretary) / Hoeller, Liane / Kukushkin, Ilya / Naumburger, Joerg / Panfilov, Peter / Park, Hong-Seok / Planinic, Igor / Primorac, Vilim / Pryanichnikov, Valentin / Stazhkov, Sergey / Stojkic, Inja / Tekic, Zeljko / Tomic, Zoran / Udljak, Toma / Zavrazhina, Alina / Zec, Ante / Zec, Ilija / Zec, Luka
Publication	Proceedings are published in three forms: Book form of Proceedings by Curran Proceedings – New York; CD Proceedings and OnLine Proceedings by DAAAM International
Editor	B[ranko] Katalinic
<b>2016</b>	<b>27th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation"</b> 200 Years of Vienna University of Technology, 25 Years of DAAAM International 26st-29th October 2016, Mostar, Bosnia and Herzegovina DAAAM International Vienna/ University of Mostar / Austrian Society of Engineers and Architects / International Academy of Engineering / University of Applied Sciences Technikum Vienna / Vienna University of Technology Presidency of Bosnia and Herzegovina & Danube Rectors' Conference Covic, Dragan – President of Organizing Committee / Katalinic, Branko – President of DAAAM International / Ostojic, Ljerka – Rector of the University of Mostar / Gusev, Boris – President of International Academy of Engineering / Uglesic, Ante – Coordinator of Organizing Committee / Beslic, Ljubo / Bevanda, Vjekoslav / Boban, Inja / Buchmeister, Borut / Colak, Ivo / Cosic, Ilija / Cvetkovska, Roberta / Dankic, Izabela / Egorov, Sergey / Filaretov, Vladimir / Gilja, Marinko / Haskovic, Damir (Secretary) / Herceg, Nevenko / Hoeller, Liane / Kukushkin, Ilya / Lasic, Denis / Leko, Tomislav / Lucic, Mate / Majstorovic, Vlado / Milicevic, Jelka / Naumburger, Joerg / Panfilov, Peter / Park, Hong-Seok / Planinic, Igor / Primorac, Vilim / Pryanichnikov, Valentin / Schmoellebeck, Fritz / Stazhkov, Sergey / Stojkic, Zeljko / Stopper, Markus / Tekic, Anja / Tekic, Zeljko / Tomic, Zoran / Udljak, Toma / Ushkova, Natalia / Zavrazhina, Alina / Zec, Ante / Zec, Ilija / Zec, Luka
Publication	Proceedings are published in three forms: Book form of Proceedings by Curran Proceedings – New York; CD Proceedings and OnLine Proceedings by DAAAM International
Editor	B[ranko] Katalinic
<b>2015</b>	<b>26th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation"</b> 200 Years of Vienna University of Technology, 25 Years of DAAAM International 21st-24th October 2015, Zadar, Croatia DAAAM International Vienna / Universitas Studiorum Jadertina – University of Zadar / International Academy of Engineering / Vienna University of Technology / Austrian Society of Engineers and Architects – ÖIAV 1848 / University of Applied Sciences – Technikum Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Gusev, Boris (Co-Chair) / Haskovic, Damir (Secretary) / Kukushkin, Ilya (Coordinator) / Bielic, Toni / Belosevic, Mirko / Borina, Marinela / Brandl, Heinz / Cosic, Ilija / Covic, Dragan / Cvetkovska, Roberta / Devic, Davor / Egorov, Sergey / Elvis, Glavan / Filaretov, Vladimir / Hoeller, Liane / Kettler, Roman / Mikulic, Izidor-Kico / Naumburger, Joerg / Otto, Tauno / Panfilov, Peter / Park, Hong-Seok / Pintaric, Neven / Pryanichnikov, Valentin / Schmoellebeck, Fritz / Stazhkov, Sergey / Tekic, Zeljko / Tomic, Marko / Udljak, Toma / Ueda, Kanji / Vican, Dijana / Zec, Ilija / Zec, Luka
Publication	Proceedings are published in three forms: Book form of Proceedings by Curran Proceedings – New York; CD Proceedings and OnLine Proceedings by DAAAM International
Referred / indexed in	Scopus; Compendex; EBSCO

<u>Editor</u>	B[ranko] Katalinic
<b>2014</b>	<b>25th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation"</b> 200 Years of Vienna University of Technology 26-29th November 2014, Vienna, Austria DAAAM International Vienna / Universitas Studiorum Jadertina – University of Zadar / International Academy of Engineering / Vienna University of Technology / Austrian Society of Engineers and Architects – ÖIAV 1848 / University of Applied Sciences – Technikum <i>Under the auspices of Organizers</i> Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Gusev, Boris (Co-Chair) / Haskovic, Damir (Secretary) / Bielic, Toni / Belosevic, Mirko / Buchmeister, Borut / Cosic, Ilija / Cvetkovska, Roberta / Devcic, Davor / Dimitrova, Denisa / Egorov, Sergey / Elvis, Glavan / Filaretov, Vladimir / Höller, Liane / Kettler, Roman / Kosheleva, Yulia / Kukushkin, Ilya / Levina, Natalia / Martinovic, Franjo / Naumburger, Joerg / Otto, Tauno / Panfilov, Peter / Park, Hong-Seok / Pintaric, Neven / Pryanichnikov, Valentin / Reichel, Peter / Schmoellebeck, Fritz / Stazhkov, Sergey / Stopper, Markus / Tekic, Zeljko / Todorov, Krasimir / Todorova, Selma / Udljak, Toma / Ueda, Kanji / Ushkova, Natalia / Vican, Diana / Zec, Ilija / Zdyb, Dariusz <i>Publication</i> Procedia Engineering 1877-7058 © 2015 Published by Elsevier Ltd, Available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>
<u>Editor</u>	B[ranko] Katalinic
<b>2013</b>	<b>24th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation"</b> Founding of Central European Branch - International Academy of Engineering 23-26th October 2013, Zadar, Croatia DAAAM International Vienna / Universitas Studiorum Jadertina – University of Zadar / International Academy of Engineering / Vienna University of Technology / Austrian Society of Engineers and Architects – ÖIAV 1848 / University of Applied Sciences – Technikum <i>Under the auspices of Organizers</i> Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Gusev, Boris (Co-Chair) / Haskovic, Damir (Secretary) / Bielic, Toni / Bliedner, Jens / Buchmeister, Borut / Cosic, Ilija / Cvetkovska, Roberta / Devcic, Davor / Egorov, Sergey / Elvis, Glavan / Filaretov, Vladimir / Höller, Liane / Jerbic, Bojan / Keiner, Wolfgang / Kettler, Roman / Kukushkin, Ilya / Kulenovic, Igor / Malisa, Viktorio / Orcik, Anja / Otto, Tauno / Park, Hong-Seok / Peric, Alisa / Pryanichnikov, Valentin / Schmoellebeck, Fritz / Stazhkov, Sergey / Stopper, Markus / Takakuva, Soemon / Tekic, Zeljko / Torims, Toms / Udljak, Toma / Ueda, Kanji / Vican, Diana / <i>Publication</i> Procedia Engineering 1877-7058 © 2014 Published by Elsevier Ltd, Available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>
<i>Referred / indexed in</i>	Thomson Reuters Web of Science / Web of Knowledge; Compendex; Scopus; Engineering Village
<u>Editor</u>	B[ranko] Katalinic
<b>2012</b>	<b>23rd International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Focus on Sustainability"</b> Organised in Order to Celebrate 10th (and 616th) Anniversary of University of Zadar 24-27th October 2012, Zadar, Croatia DAAAM International Vienna / Universitas Studiorum Jadertina – University of Zadar / International Academy of Engineering / Vienna University of Technology / Austrian Society of Engineers and Architects – ÖIAV 1848 / University of Applied Sciences – Technikum <i>Under the auspices of Organizers</i> Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Filaretov, Vladimir (Co-Chair) / Uglesic, Ante (Co-Chair) / Cesarec, Paulina (Secretary) / Bielic, Toni / Celar, Stipe / Cosic, Ilija / Dragcevic, Zvonko / Drstvensek, Igor / Egorov, Sergey / Höller, Liane / Jerbic, Bojan / Jurjevic,

<i>Publication</i>	Marin / Katalinic, Mihovil / Kettler, Roman / Knezevic, Sime / Kriskovic, Domagoj / Kukushkin, Ilya / Macuka, Daniel / Malisa, Viktorio / Park, Hong-Seok / Peric, Alisa / Pryanichnikov, Valentin / Stefe, Blaz / Stopper, Markus / Tekic, Zeljko / Udiljak, Toma / Ueda, Kanji / Vican, Diana / Zdyb, Dariusz / Zenzerovic, Paolo Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, Volume 23, No.1, ISSN 2304-1382 ISBN 978-3-901509-91-9, CDROM version
<i>Authors / Papers</i>	605 Authors / 276 Published papers
<i>Editor</i>	B[ranko] Katalinic
<b>2011</b>	<b>22nd International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Power Of Knowledge And Creativity"</b> Organised in Order to Celebrate 20 Years of DAAAM International 23-26th November 2011, Vienna, Austria DAAAM International Vienna, University of Applied Sciences Technikum Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Cesarec, Paulina (Secretary) / Kettler, Roman (sw Solutions) / Celar, Stipe / Dragcevic, Zvonko / Höller, Liane / Katalinic, Mihovil / Knezevic, Sime / Stopper, Markus Annals of DAAAM for 2011 and Proceeding of the 22nd International DAAAM Symposium, ISSN 1726-9679, ISBN 978-3-901509-83-4 1608 Authors / 837 Published papers ISI Scientific Proceedings Thomson Reuters - , EBSCO Information Service B[ranko] Katalinic
<b>2010</b>	<b>21st International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Focus on Interdisciplinary Solutions"</b> Organised in Order to Celebrate 20 Years of DAAAM International 20-23rd October 2010, Zadar, Croatia DAAAM International Vienna, Universiy of Zadar (Universitas Studiorum Jadertina), Zadar, University of Applied Sciences Technikum Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Cesarec, Paulina (Secretary) / Kettler, Roman (sw Solutions) / Celar, Stipe / Dragcevic, Zvonko / Höller, Liane / Katalinic, Mihovil / Knezevic, Sime / Stopper, Markus Annals of DAAAM for 2010 and Proceeding of the 21st International DAAAM Symposium, ISSN 1726-9679, ISBN 978-3-901509-73-5 1568 Authors / 795 Published papers ISI Scientific Proceedings Thomson Reuters, EBSCO Information Service B[ranko] Katalinic
<b>2009</b>	<b>20th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Theory, Practice &amp; Education"</b> Organised in Order to Celebrate 20 <sup>th</sup> DAAAM International World Symposium 25-28th November 2009, Vienna, Austria DAAAM International Vienna, University of Applied Sciences Technikum Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Cesarec, Paulina (Secretary) / Dragcevic, Zvonko / Höller, Liane / Kettler, Roman / Knezevic, Sime / Stopper, Markus
<i>Under the auspices of Organizers</i>	
<i>Publication</i>	
<i>Authors / Papers</i>	
<i>Referred / indexed in</i>	
<i>Editor</i>	

<i>Publication</i>	Annals of DAAAM for 2009 and Proceeding of the 20th International DAAAM Symposium, ISSN 1726-9679, ISBN 978-3-901509-70-4
<i>Authors / Papers</i>	1922 Authors / 974 Published papers
<i>Referred / indexed in</i>	ISI Scientific Proceedings Thomson Reuters, EBSCO Information Service
<i>Editor</i>	B[ranko] Katalinic
<b>2008</b>	<b>19th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Focus on Next Generation of Intelligent Systems and Solutions"</b>  <i>On the occasion of</i> 770 Years of the City of Trnava <i>Date &amp; Place</i> 22-25th October 2008, Trnava, Slovakia <i>Organized by</i> DAAAM International Vienna, Slovak University of Technology Faculty of Materials Science and Technology in Trnava, University of Applied Sciences Technikum Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects <i>Under the auspices of</i> Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International <i>Organizers</i> Katalinic, Branko (Chair) / Moravcik, Oliver (Co-Chair) / Cesarec, Paulina (Secretary) / Dragcevic, Zvonko / Höller, Liane / Kettler, Roman / Knezevic, Sime / Resetova, Kvetoslava / Stefankova, Jana / Stopper, Markus / Velisek, Karol
<i>Publication</i>	Annals of DAAAM for 2008 and Proceeding of the 19th International DAAAM Symposium, ISSN 1726-9679, ISBN 978-3-901509-68-1
<i>Authors / Papers</i>	1496 Authors / 781 Published papers
<i>Editor</i>	B[ranko] Katalinic
<b>2007</b>	<b>18th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Focus on Creativity, Responsibility, and Ethics of Engineers"</b>  <i>On the occasion of</i> Organised in Order to Celebrate 70 <sup>th</sup> Birthday of Dr Wilfried Stoll <i>Date &amp; Place</i> 5th Anniversary of Refounding of the University of Zadar (Founded 1396) <i>Organized by</i> 24-27th October 2007, Zadar, Croatia <i>Under the auspices of</i> Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International <i>In cooperation with</i> Croatian National Tourist Board <i>Organizers</i> Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Cesarec, Paulina (Secretary) / Dragcevic, Zvonko / Höller, Liane / Kettler, Roman / Knezevic, Sime / Stopper, Markus / Stuja, Kemajl / Wenger, Monika <i>Publication</i> Annals of DAAAM for 2007 and Proceeding of the 18th International DAAAM Symposium, ISSN 1726-9679, ISBN 3-901509-58-5 <i>Authors / Papers</i> 803 Authors / 419 Published papers <i>Referred / indexed in</i> ISI Scientific Proceedings Thomson Reuters <i>Editor</i> B[ranko] Katalinic
<b>2006</b>	<b>17th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Focus on Mechatronics and Robotics"</b>  <i>On the occasion of</i> 150th Birthday of Nikola Tesla (1856-1943) Inventor of Mobile Robot Teleoperation <i>Date &amp; Place</i> 8-11th November 2006, Vienna, Austria <i>Organized by</i> DAAAM International Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects , University of Applied Sciences - Technikum <i>Under the auspices of</i> Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International <i>In cooperation with</i> Vienna Convention Bureau <i>Organizers</i> Buchmeister, Borut / Dragcevic, Zvonko / Egorov, Sergey / Höller, Liane / Katalinic, Branko (Chair) / Lazinica, Aleksandar / Malisa, Viktorio / Sagmeister, Nicole / Stuja, Kemajl / Viktorik, Hans / Viktorik, Silvia

<i>Publication</i>	Annals of DAAAM for 2006 and Proceeding of the 17th International DAAAM Symposium, ISSN 1726-9679, ISBN 3-901509-57-7
<i>Authors / Papers</i>	521 Authors / 230 Published papers
<i>Referred / indexed in</i>	ISI Scientific Proceedings Thomson Reuters
<i>Editor</i>	B[ranko] Katalinic
<b>2005</b>	<b>16th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Focus on Young Scientists and Researchers"</b>  <i>On the occasion of</i> <i>Date &amp; Place</i> <i>Organized by</i>  <i>Under the auspices of</i> <i>In cooperation with</i> <i>Organizers</i>
	15 Years of DAAAM International Vienna, 1990-2005 19-22nd October 2005, Opatija, Croatia DAAAM International Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Vienna Convention Bureau Anisic, Bojan / Barisic, B. / Blazevic, Dalibor / Buchmeister, Borut / Car, Zlatan / Dragcevic, Zvonko / Egorov, Sergey / Grabenweger, Johannes / Gronalt, Manfred / Höller, Liane / Huber, Ingrid / Jurkovic, Z. / Katalinic, Branko (Chair) / Lazinica, Aleksandar / Malisa, Viktorio / Merdan, Munir / Mikac, Tonci (Co-Chair) / Mirjanic, Valentina / Nanasi, Jozef / Schaumberger, Werner / Stopper, Markus / Stuja, Kemajl / Udiljak, Toma / Widtmann, Georg
<i>Publication</i>	Annals of DAAAM for 2005 and Proceeding of the 16th International DAAAM Symposium, ISSN 1726-9679, ISBN 3-901509-46-1
<i>Authors / Papers</i>	406 Authors / 202 Published papers
<i>Referred / indexed in</i>	ISI Scientific Proceedings Thomson Reuters
<i>Editor</i>	B[ranko] Katalinic
<b>2004</b>	<b>15th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Globalisation - Technology - Men - Nature"</b> <b>Organised in Memoriam on Professor Dr Jyri Papstel (1940- 2004)</b>  <i>On the occasion of</i> <i>Date &amp; Place</i> <i>Organized by</i>  <i>Under the auspices of</i> <i>In cooperation with</i> <i>Organizers</i>
	3-6th November 2004, Vienna, Austria, European Union DAAAM International Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Vienna Convention Bureau Bartak, Harald; Buchmeister, Borut; Dragcevic, Zvonko; Egorov, Sergei; Frank, Willy; Grabenweger, Johann; Gronalt, Manfred; Höller, Liane; Hrelja, Igor; Katalinic, Branko (Chair); Kettler, Roman; Kordic, Vedran; Lazinica, Aleksandar; Löschner, Adam; Magyar, Teresa; Malisa, Viktorio; Merdan, Munir; Müller, Simon; Nanasi, Jozef; Piller, Johannes; Reinisch, Roland; Roth, Michael; Saliger, Florian; Schaumberger, Werner; Schmidt, Thomas; Stuja, Kemajl; Trauzettel, Ulrich; Udiljak, Toma; Widtmann, Georg; Wirths, Thomas.
<i>Publication</i>	Annals of DAAAM for 2004 and Proceeding of the 15th International DAAAM Symposium, ISSN 1726-9679, ISBN 3-901509-42-9
<i>Authors / Papers</i>	508 Authors / 259 Published papers
<i>Referred / indexed in</i>	ISI Scientific Proceedings Thomson Reuters
<i>Editor</i>	B[ranko] Katalinic
<b>2003</b>	<b>14th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Focus on Reconstruction and Development"</b>  <i>On the occasion of</i> <i>Date &amp; Place</i>
	155 Years of Austrian Society of Engineers and Architects ÖIAV 1848 / 45 Years of the Faculty of Mechanical Engineering University of Sarajevo 22-25th October 2003, Sarajevo, Bosnia and Herzegovina

<i>Organized by</i>	DAAAM International Vienna, University of Sarajevo - Faculty of Mechanical Engineering, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects
<i>Under the auspices of</i> <i>In cooperation with</i>	Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Federal Ministry of Education, Sciences and Culture - Vienna, ÖIAV 1848 Austrian Society of Engineers and Architects
<i>Organizers</i> <i>Publication</i>	Katalinic, Branko (Chair), Kulenovic, Malik (Co-chair), Widtmann, G., et al. Annals of DAAAM for 2003 and Proceeding of the 14th International DAAAM Symposium, ISSN 1726-9679, ISBN 3-901509-34-8
<i>Authors / Papers</i> <i>Referred / indexed in</i> <i>Editor</i> <i>Information</i>	504 Authors / 255 Published papers ISI Scientific Proceedings Thomson Reuters B[ranko] Katalinic Contact: DAAAM International Vienna (Katalinic B.) president@daaam.com www.daaam.com
<b>2002</b>	<b>13th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Learning from Nature"</b> 150 Years of Austrian Society of Engineers and Architects ÖIAV 1848 23-26th October 2002, Vienna, Austria DAAAM International Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Federal Ministry of Education, Sciences and Culture - Vienna, ÖIAV 1848 Austrian Society of Engineers and Architects Katalinic B. (Chair), Buchmeister B., Doganac A., Dragcevic Z., Gersak J., Grabenweger J., Kordic V., Ljolic B., Nanasi J., Stopper M., Stuja K., Widtmann G., et al. Annals of DAAAM for 2002 and Proceeding of 13th International DAAAM Symposium, ISBN 3-901509-29-1 573 Authors / 314 Published papers ISI Scientific Proceedings Thomson Reuters B[ranko] Katalinic
<b>2001</b>	<b>12th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Focus on Precision Engineering"</b> 10 Years of Jena University of Applied Science / 150 Years of ÖIAV 1848 Austrian Society of Engineers and Architects 24-27th October 2001, Jena, Germany DAAAM International Vienna, Jena University of Applied Science, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), Austrian Society of Engineers and Architects ÖIAV 1848 Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Thuringian Ministry of Sciences, Research and Culture - Erfurt, Katalinic B. (Chair), Meissner K. (Co-chair), Beez S., Buchmeister B., Doganac A., Dragcevic Z., Fidi L., Gersak J., Grabenweger J., Jacob M., Kordic V., Ljolic B., Nanasi J., Pachmann A., Schoele H., Selke K., Stopper M., Stuja K., Walther J., Widtmann G. Annals of DAAAM for 2001 and Proceeding of 12th International DAAAM Symposium, ISBN 3-901509-19-4 586 Authors / 266 Published papers B[ranko] Katalinic
<b>2000</b>	<b>11th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Men – Machine - Nature"</b>

<i>On the occasion of</i>	150 Years of ÖIAV 1848 Austrian Society of Engineers and Architects / 40 Years of Faculty of Engineering – University of Rijeka / 10 Years of DAAAM International
<i>Date &amp; Place</i>	19-21st October 2000, Opatija, Croatia
<i>Organized by</i>	DAAAM International Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS)
<i>Under the auspices of</i>	Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International
<i>In cooperation with</i>	Federal Ministry of Education, Sciences and Culture - Vienna, ÖIAV 1848 Austrian Society of Engineers and Architects, Union of Croatian Universities
<i>Organizers</i>	Katalinic B. et al.
<i>Publication</i>	Annals of DAAAM for 2000 and Proceeding of 10th International DAAAM Symposium, ISBN 3-901509-13-5
<i>Authors / Papers</i>	517 Authors / 254 Published papers
<i>Editor</i>	B[ranko] Katalinic
<b>1999</b>	<b>10th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation: Past – Present - Future"</b>
<i>On the occasion of</i>	10th International DAAAM Symposium, Last International DAAAM Symposium in this Millennium
<i>Date &amp; Place</i>	21-23rd October 1999, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), Austrian Society of Engineers and Architects ÖIAV 1848, Vienna, Austria
<i>Organized by</i>	DAAAM International Vienna, Vienna University of Technology, Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS)
<i>Under the auspices of</i>	Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International
<i>In cooperation with</i>	Federal Ministry of Sciences and Traffic - Vienna, ÖIAV 1848 Austrian Society of Engineers and Architects
<i>Organizers</i>	Katalinic B. (Chair), Adamczak S., Alpek F., Balate J., Balic J., Beer M., Buchmeister B., Celar S., Cus F., Dinnyes C., Dragcevic Z., Duflou J. R., Egorov S., Fidi L., Grabenweger J., Gyenge C., Hajrizi E., Kerekes L., Kordic V., Kordic Z., Ljoljic B., Llorente J. I., Meissner K., Nanasi J., Papstel J., Park H.-S., Stuja K., Tabucanon M. T., Udljak T., Ueda K., Vranjes B., Wessely E.
<i>Publication</i>	Annals of DAAAM for 1999 and Proceeding of 10th International DAAAM Symposium, ISBN 3-901509-10-0
<i>Authors / Papers</i>	619 Authors / 311 Published papers
<i>Editor</i>	B[ranko] Katalinic
<b>1998</b>	<b>9th International DAAAM Symposium "Intelligent Manufacturing, Automation &amp; Networking"</b>
<i>On the occasion of</i>	50 Years of the Technical University of Cluj - Napoca 150 Years of ÖIAV 1848 Austrian Society of Engineers and Architects Founding of Permanent Committee of University Network of DAAAM International Vienna
<i>Date &amp; Place</i>	22-24th October 1998, Technical University of Cluj - Napoca, Cluj - Napoca, Romania
<i>Organized by</i>	DAAAM International Vienna, Technical University of Cluj - Napoca, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS)
<i>Under the auspices of</i>	Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International
<i>In cooperation with</i>	Ministry of Research and Technology - Bucuresti, Federal Ministry of Sciences and Traffic - Vienna, Journal of Intelligent Manufacturing, ÖIAV 1848 Austrian Society of Engineers and Architects
<i>Organizers</i>	Arzin M., Beer M., Bejan M., Berce P., Borzan M., Buchmeister B., Calinescu O., Car Z., Celar S., Dusa P., Fidi L., Gheorghe I., Gramescu T., Gyenge C., Hajrizi E., Ivan N.V., Katalinic B. (Chair), Kerekes L., Lazea G., Ljoljic B., Lörincz S., Nanasi J., Nemes S., Popescu S., Pusca M., Szava T., Udljak T., Vranjes B.
<i>Proceedings</i>	ISBN 3-901509-08-9
<i>Authors / Papers</i>	515 Authors / 257 Published papers

<i>Editor</i>	B[ranko] Katalinic
<b>1997</b>	<b>8th International DAAAM Symposium "Intelligent Manufacturing &amp; Automation"</b> Founding of the University Network of DAAAM International Vienna 23-25th October 1997, ICCU - International Centre of Croatian Universities (University of Zagreb), Dubrovnik, Croatia DAAAM International Vienna, University of Zagreb, Vienna University of Technology, Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS) Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Ministry of Science and Technology - Zagreb, Federal Ministry of Sciences and Traffic - Vienna, Journal of Intelligent Manufacturing, ÖIAV 1848 Austrian Society of Engineers and Architects, Union of Croatian Universities, Croatian Society - KoREMA - Zagreb. Organizers Benic D., Brusko V., Budic I., Burgjelez I., Celar S., Gojo M., Hajrizi E., Ivancic I., Jerbic B., Katalinic B. (Chair), Kovacic B., Majstorovic V., Mencer H.J., Nanasi J., Pavic I., Polic-Bobic M., Udljak T. (Co-Chair), Veza I., Visekruna V. ISBN 3-901509-04-6 346 Authors / 192 Published papers
<i>On the occasion of Date &amp; Place</i>	
<i>Organized by</i>	
<i>Under the auspices of In cooperation with</i>	
<i>Organizers</i>	
<i>Proceedings</i>	
<i>Authors / Papers</i>	
<i>Editor</i>	B[ranko] Katalinic
<b>1996</b>	<b>7th International DAAAM Symposium "Product &amp; Manufacturing: Flexibility, Integration, Intelligence"</b> 1,000 Years of Austria 17-19th October 1996, Vienna, Austria DAAAM International Vienna, Vienna University of Technology, Department of Production Engineering (IFT-IMS) Danube Rectors' Conference Katalinic B., Celar S., Fabian E., Nanasi J. ISBN 3-901509-02-X 440 Authors / 250 Published papers
<i>On the occasion of Date &amp; Place</i>	
<i>Organized by</i>	
<i>Under the auspices of Organizers</i>	
<i>Proceedings</i>	
<i>Authors / Papers</i>	
<i>Editor</i>	B[ranko] Katalinic
<b>1995</b>	<b>6th International DAAAM Symposium "Intelligent Manufacturing Systems"</b> 50 Years of Technical University of Krakow 26-28th October 1995, Poland DAAAM International Vienna; Technical University of Krakow Technical University of Kielce; Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS) IMECO; Ministry of Education, Warsaw; Ministry of Sciences and Technology, Warsaw; Federal Ministry of Sciences, Technology and Art, Vienna; BIT, Bureau for International Research and Technology Cooperation, Vienna Adamczak S., Duch A., Gawlik J., Katalinic B., Osanna H. P., Sladek J., Wantuch E., Rusiniak K., Zebala W. ISBN 3-901509-01-1 297 Authors / 212 Published papers
<i>In cooperation with</i>	
<i>Organizers</i>	
<i>Proceedings</i>	
<i>Authors / Papers</i>	
<i>Editor</i>	B[ranko] Katalinic
<i>Co-Editors</i>	H[erbert] P. Osanna & J[ozef] Gawlik
<b>1994</b>	<b>5th International DAAAM Symposium "Automation and Metrology: Challenge and Chance"</b> 700 Years of City of Maribor, 35 Years of Faculty of Technical Sciences 27-28th October 1994, Maribor, Slovenia DAAAM International Vienna, University of Maribor, Faculty of Technical Sciences IMECO; Ministry of Sciences and Technologies, Ljubljana Federal Ministry of Sciences, Technology and Art, Vienna Balic J., Cus F., Katalinic B., Novak D., Osanna H. P., Sujica M. Z.
<i>On the occasion of Date &amp; Place</i>	
<i>Organized by</i>	
<i>In cooperation with</i>	
<i>Organizers</i>	



<i>Proceedings</i> <i>Authors / Papers</i> <i>Editors</i>	ISBN 3-901509-00-3, ISBN 86-435-0084-4 391 Authors / 259 Published papers B[ranko] Katalinic; H[erbert] P. Osanna; J[oze] Balic & F[ranci] Cus
<b>1993</b>  <i>On the occasion of</i> <i>Date &amp; Place</i> <i>Organized by</i>  <i>In cooperation with</i> <i>Organizers</i>  <i>Authors / Papers</i> <i>Editors</i>	<b>4th International DAAAM Symposium "Automation and Metrology: Man, Technology, Environment"</b> 750 Years of City of Brno 16-18th September 1993, Brno, Czechia DAAAM International Vienna; Technical University of Brno, Faculty of Mechanical Engineering IMECO, IUTAM Balate J., Dvorak J., Kadrnozka J., Katalinic B., Lacko B., Osanna H. P., Skopal M., Vavrin P. 299 Authors / 177 Published papers B[ranko] Katalinic & H[erbert] P. Osanna
<b>1992</b>  <i>Date &amp; Place</i> <i>Organized by</i>  <i>In cooperation with</i> <i>Organizers</i>  <i>Authors / Papers</i> <i>Editor</i>	<b>3rd International DAAAM Symposium "Flexible and Intelligent Automation"</b> 4-6th November 1992, Budapest, Hungary DAAAM International Vienna; Technische Universität Budapest, Department of Production Engineering IMECO Alpek F., Arz G., Katalinic B., Osanna H. P., Szelig T., Jerzsabek P. 157 Authors / 99 Published papers B[ranko] Katalinic
<b>1991</b>  <i>Date &amp; Place</i> <i>Organized by</i>  <i>Organizers</i> <i>Proceedings</i> <i>Authors / Papers</i>	<b>2nd International DAAAM Symposium "Flexible Automation"</b> 9-13th December 1991, Strbske Pleso, Slovakia, Czechoslovakia DAAAM International Vienna; House of Technology, Bratislava; Technical University of Kosice, Faculty of Mechanical Engineering, Department of Automated Production Systems Sebo D., Wessely E., Kovacik J., Katalinic B. ISBN 80-233-0225-6 153 Authors / 92 Published papers
<b>1990</b>  <i>On the occasion of</i> <i>Date &amp; Place</i> <i>Organized by</i>  <i>Organizers</i> <i>Authors / Papers</i> <i>Editor</i>	<b>1st International DAAAM Symposium „Automatization and Measurement Technique“</b> 175 Years of Vienna University of Technology 5th November 1990, Vienna, Austria DAAAM International Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV, Sections: Measurement and Automation, ASESA, Robotics Beer R. J., Osanna H. P., Katalinic B. 132 Authors / 77 Published papers B[ranko] Katalinic

# EUROPEAN DAAAM INTERNATIONAL YOUNG RESEARCHERS' AND SCIENTISTS' CONFERENCE

<b>2018</b>	<b>The 12th European DAAAM International Young Researchers' and Scientists' Conference</b> 200 Years of Vienna University of Technology, 25 Years of DAAAM International 24th-27th October 2018, Zadar, Croatia DAAAM International Vienna/ Austrian Society of Engineers and Architects / International Academy of Engineering / Vienna University of Technology Danube Rectors' Conference Covic, Dragan – President of Organizing Committee / Katalinic, Branko – President of DAAAM International / Gusev, Boris – President of International Academy of Engineering / Uglešić, Ante – Coordinator of Organizing Committee / Boban, Inja / Colak, Ivo / Čosić, Ilija / Cvjetkovska, Roberta / Egorov, Sergey / Filaretov, Vladimir / Fuerst, Laurenz / Hasković, Damir (Secretary) / Hoeller, Liane / Kostolani, David / Kukushkin, Ilya / Naumburger, Joerg / Panfilov, Peter / Park, Hong-Seok / Planinic, Igor / Primorac, Vilim / Pryanichnikov, Valentin / Stazhkov, Sergey / Tekic, Zeljko / Tomic, Zoran / Udiljak, Toma / Vladov, Marek / Zec, Ante / Zec, Ilija / Zec, Luka Proceedings are published in three forms: Book form of Proceedings by Curran Proceedings – New York; USB Proceedings and OnLine Proceedings by DAAAM International B[ranko] Katalinic
<b>2017</b>	<b>The 11th European DAAAM International Young Researchers' and Scientists' Conference</b> 200 Years of Vienna University of Technology, 25 Years of DAAAM International 8th-11th November 2017, Zadar, Croatia DAAAM International Vienna/ Austrian Society of Engineers and Architects / International Academy of Engineering / Vienna University of Technology Danube Rectors' Conference Covic, Dragan – President of Organizing Committee / Katalinic, Branko – President of DAAAM International / Gusev, Boris – President of International Academy of Engineering / Uglešić, Ante – Coordinator of Organizing Committee / Boban, Inja / Colak, Ivo / Čosić, Ilija / Cvjetkovska, Roberta / Egorov, Sergey / Filaretov, Vladimir / Hasković, Damir (Secretary) / Hoeller, Liane / Kukushkin, Ilya / Naumburger, Joerg / Panfilov, Peter / Park, Hong-Seok / Planinic, Igor / Primorac, Vilim / Pryanichnikov, Valentin / Stazhkov, Sergey / Tekic, Zeljko / Tomic, Zoran / Udiljak, Toma / Zavrazhina, Alina / Zec, Ante / Zec, Ilija / Zec, Luka Proceedings are published in three forms: Book form of Proceedings by Curran Proceedings – New York; CD Proceedings and OnLine Proceedings by DAAAM International B[ranko] Katalinic
<b>2016</b>	<b>The 10th European DAAAM International Young Researchers' and Scientists' Conference</b> 200 Years of Vienna University of Technology, 25 Years of DAAAM International 26st-29th October 2016, Mostar, Bosnia and Herzegovina DAAAM International Vienna/ University of Mostar / Austrian Society of Engineers and Architects / International Academy of Engineering / University of Applied Sciences Technikum Vienna / Vienna University of Technology Presidency of Bosnia and Herzegovina & Danube Rectors' Conference Covic, Dragan – President of Organizing Committee / Katalinic, Branko – President of DAAAM International / Ostojic, Ljerka – Rector of the University of Mostar / Gusev, Boris – President of International Academy of Engineering / Uglešić, Ante – Coordinator of Organizing Committee / Beslic, Ljubo / Bevanda, Vjekoslav / Boban, Inja / Buchmeister, Borut / Colak, Ivo / Čosić, Ilija / Cvjetkovska, Roberta / Dankic, Izabela / Egorov, Sergey / Filaretov, Vladimir / Gilja, Marinko / Haskovic, Damir (Secretary) / Herceg, Nevenko / Hoeller, Liane / Kukushkin, Ilya / Lasic, Denis / Leko, Tomislav / Lucic, Mate / Majstorovic, Vlado / Milicevic, Jelka / Naumburger, Joerg / Panfilov, Peter / Park, Hong-Seok / Planinic, Igor / Primorac, Vilim / Pryanichnikov,

Publication	Valentin / Schmoellebeck, Fritz / Stazhkov, Sergey / Stojkic, Zeljko / Stopper, Markus / Tekic, Anja / Tekic, Zeljko / Tomic, Zoran / Udiljak, Toma / Ushkova, Natalia / Zavrazhina, Alina / Zec, Ante / Zec, Ilija / Zec, Luka Proceedings are published in three forms: Book form of Proceedings by Curran Proceedings – New York; CD Proceedings and OnLine Proceedings by DAAAM International
Editor	B[ranko] Katalinic
<b>2015</b>	<b>The 9th European DAAAM International Young Researchers' and Scientists' Conference</b> 200 Years of Vienna University of Technology, 25 Years of DAAAM International 21st-24th October 2015, Zadar, Croatia DAAAM International Vienna / Universitas Studiorum Jadertina – University of Zadar / International Academy of Engineering / Vienna University of Technology / Austrian Society of Engineers and Architects – ÖIAV 1848 / University of Applied Sciences – Technikum  <i>Under the auspices of Organizers</i> Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Gusev, Boris (Co-Chair) / Haskovic, Damir (Secretary) / Kukushkin, Ilya (Coordinator) / Bielic, Toni / Belosevic, Mirko / Borina, Marinela / Brandl, Heinz / Cosic, Ilija / Covic, Dragan / Cvetkovska, Roberta / Devic, Davor / Egorov, Sergey / Elvis, Glavan / Filaretov, Vladimir / Hoeller, Liane / Kettler, Roman / Mikulic, Izidor-Kico / Naumburger, Joerg / Otto, Tauno / Panfilov, Peter / Park, Hong-Seok / Pintaric, Neven / Pryanichnikov, Valentin / Schmoellebeck, Fritz / Stazhkov, Sergey / Tekic, Zeljko / Tomic, Marko / Udiljak, Toma / Ueda, Kanji / Vican, Diana / Zec, Ilija / Zec, Luka  <i>Publication</i> Procedia Engineering 1877-7058 © 2015 Published by Elsevier Ltd, Available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>
Editor	B[ranko] Katalinic
<b>2014</b>	<b>The 8th European DAAAM International Young Researchers' and Scientists' Conference</b> 200 Years of Vienna University of Technology 26-29th November 2014, Vienna, Austria DAAAM International Vienna / Universitas Studiorum Jadertina – University of Zadar / International Academy of Engineering / Vienna University of Technology / Austrian Society of Engineers and Architects – ÖIAV 1848 / University of Applied Sciences – Technikum  <i>Under the auspices of Organizers</i> Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Gusev, Boris (Co-Chair) / Haskovic, Damir (Secretary) / Bielic, Toni / Belosevic, Mirko / Buchmeister, Borut / Cosic, Ilija / Cvetkovska, Roberta / Devcic, Davor / Dimitrova, Denisa / Egorov, Sergey / Elvis, Glavan / Filaretov, Vladimir / Höller, Liane / Kettler, Roman / Kosheleva, Yulia / Kukushkin, Ilya / Levina, Natalia / Martinovic, Franjo / Naumburger, Joerg / Otto, Tauno / Panfilov, Peter / Park, Hong-Seok / Pintaric, Neven / Pryanichnikov, Valentin / Reichel, Peter / Schmoellebeck, Fritz / Stazhkov, Sergey / Stopper, Markus / Tekic, Zeljko / Todorov, Krasimir / Todorova, Selma / Udiljak, Toma / Ueda, Kanji / Ushkova, Natalia / Vican, Diana / Zec, Ilija / Zdyb, Dariusz  <i>Publication</i> Procedia Engineering 1877-7058 © 2015 Published by Elsevier Ltd, Available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>
Editor	B[ranko] Katalinic
<b>2013</b>	<b>The 7th European DAAAM International Young Researchers' and Scientists' Conference</b> Founding of Central European Branch - International Academy of Engineering 23-26th October 2013, Zadar, Croatia
<i>On the occasion of Date &amp; Place</i>	

<i>Organized by</i>	DAAAM International Vienna / Universitas Studiorum Jadertina – University of Zadar / International Academy of Engineering / Vienna University of Technology / Austrian Society of Engineers and Architects – ÖIAV 1848 / University of Applied Sciences – Technikum
<i>Under the auspices of Organizers</i>	Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Gusev, Boris (Co-Chair) / Haskovic, Damir (Secretary) / Bielic, Toni / Bliedner, Jens / Buchmeister, Borut / Cosic, Ilija / Cvetkovska, Roberta / Devcic, Davor / Egorov, Sergey / Elvis, Glavan / Filaretov, Vladimir / Höller, Liane / Jerbic, Bojan / Keiner, Wolfgang / Kettler, Roman / Kukushkin, Ilya / Kulenovic, Igor / Malisa, Viktorio / Orcik, Anja / Otto, Tauno / Park, Hong-Seok / Peric, Alisa / Pryanichnikov, Valentin / Schmoellebeck, Fritz / Stazhkov, Sergey / Stopper, Markus / Takakuva, Soemon / Tekic, Zeljko / Torims, Toms / Udiljak, Toma / Ueda, Kanji / Vican, Diana /
<i>Publication</i>	Procedia Engineering 1877-7058 © 2014 Published by Elsevier Ltd, Available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>
<i>Referred / indexed in</i>	Thomson Reuters Web of Science / Web of Knowledge; Compendex; Scopus; Engineering Village
<i>Editor</i>	B[ranko] Katalinic
<b>2012</b>	<p><b>The 6th European DAAAM International Young Researchers' and Scientists' Conference</b></p> <p>Organised in Order to Celebrate 10th (and 616th) Anniversary of University of Zadar 24-27th October 2012, Zadar, Croatia</p> <p>DAAAM International Vienna / Universitas Studiorum Jadertina – University of Zadar / International Academy of Engineering / Vienna University of Technology / Austrian Society of Engineers and Architects – ÖIAV 1848 / University of Applied Sciences – Technikum</p> <p>Danube Rectors' Conference &amp; Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Filaretov, Vladimir (Co-Chair) / Uglesic, Ante (Co-Chair) / Cesarec, Paulina (Secretary) / Bielic, Toni / Celar, Stipe / Cosic, Ilija / Dragcevic, Zvonko / Drstvensek, Igor / Egorov, Sergey / Höller, Liane / Jerbic, Bojan / Jurjevic, Marin / Katalinic, Mihovil / Kettler, Roman / Knezevic, Sime / Kriskovic, Domagoj / Kukushkin, Ilya / Macuka, Daniel / Malisa, Viktorio / Park, Hong-Seok / Peric, Alisa / Pryanichnikov, Valentin / Stefe, Blaz / Stopper, Markus / Tekic, Zeljko / Udiljak, Toma / Ueda, Kanji / Vican, Diana / Zdyb, Dariusz / Zenzerovic, Paolo</p> <p>Annals of DAAAM for 2012 &amp; Proceedings of the 23rd International DAAAM Symposium, Volume 23, No.1, ISSN 2304-1382 ISBN 978-3-901509-91-9, CDROM version</p> <p>605 Authors / 276 Published papers</p> <p>B[ranko] Katalinic</p>
<i>On the occasion of Date &amp; Place</i>	
<i>Organized by</i>	
<i>Under the auspices of Organizers</i>	
<i>Publication</i>	
<i>Authors / Papers</i>	
<i>Editor</i>	
<b>2011</b>	<p><b>The 5th European DAAAM International Young Researchers' and Scientists' Conference</b></p> <p>Organised in Order to Celebrate 20 Years of DAAAM International 23-26th November 2011, Vienna, Austria</p> <p>DAAAM International Vienna, University of Applied Sciences Technikum Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects</p> <p>Danube Rectors' Conference &amp; Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Cesarec, Paulina (Secretary) / Kettler, Roman (sw Solutions) / Celar, Stipe / Dragcevic, Zvonko / Höller, Liane / Katalinic, Mihovil / Knezevic, Sime / Stopper, Markus</p> <p>Annals of DAAAM for 2011 and Proceeding of the 22nd International DAAAM Symposium, ISSN 1726-9679, ISBN 978-3-901509-83-4</p> <p>1608 Authors / 837 Published papers</p> <p>ISI Scientific Proceedings Thomson Reuters - , EBSCO Information Service</p> <p>B[ranko] Katalinic</p>
<i>On the occasion of Date &amp; Place</i>	
<i>Organized by</i>	
<i>Under the auspices of Organizers</i>	
<i>Publication</i>	
<i>Authors / Papers</i>	
<i>Referred / indexed in</i>	
<i>Editor</i>	

<b>2010</b>	<b>The 4th European DAAAM International Young Researchers' and Scientists' Conference</b> <i>On the occasion of Date &amp; Place Organized by</i> <i>Under the auspices of Organizers</i> <i>Publication</i> <i>Authors / Papers Referred / indexed in Editor</i>	Organised in Order to Celebrate 20 Years of DAAAM International 20-23rd October 2010, Zadar, Croatia DAAAM International Vienna, Universiy of Zadar (Universitas Studiorum Jadertina), Zadar, University of Applied Sciences Technikum Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Cesarec, Paulina (Secretary) / Kettler, Roman (sw Solutions) / Celar, Stipe / Dragcevic, Zvonko / Höller, Liane / Katalinic, Mihovil / Knezevic, Sime / Stopper, Markus Annals of DAAAM for 2010 and Proceeding of the 21st International DAAAM Symposium, ISSN 1726-9679, ISBN 978-3-901509-73-5 1568 Authors / 795 Published papers ISI Scientific Proceedings Thomson Reuters, EBSCO Information Service B[ranko] Katalinic
<b>2009</b>	<b>The 3rd European DAAAM International Young Researchers' and Scientists' Conference</b> <i>On the occasion of Date &amp; Place Organized by</i> <i>Under the auspices of Organizers</i> <i>Publication</i> <i>Authors / Papers Referred / indexed in Editor</i>	Organised in Order to Celebrate 20 <sup>th</sup> DAAAM International World Symposium 25-28th November 2009, Vienna, Austria DAAAM International Vienna, University of Applied Sciences Technikum Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Cesarec, Paulina (Secretary) / Dragcevic, Zvonko / Höller, Liane / Kettler, Roman / Knezevic, Sime / Stopper, Markus Annals of DAAAM for 2009 and Proceeding of the 20th International DAAAM Symposium, ISSN 1726-9679, ISBN 978-3-901509-70-4 1922 Authors / 974 Published papers ISI Scientific Proceedings Thomson Reuters B[ranko] Katalinic
<b>2008</b>	<b>The 2nd European DAAAM International Young Researchers' and Scientists' Conference</b> <i>On the occasion of Date &amp; Place Organized by</i> <i>Under the auspices of Organizers</i> <i>Publication</i> <i>Authors / Papers Referred / indexed in Editor</i>	22-25th October 2008, Trnava, Slovakia DAAAM International Vienna, Slovak University of Technology Faculty of Materials Science and Technology in Trnava, University of Applied Sciences Technikum Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International Katalinic, Branko (Chair) / Moravcik, Oliver (Co-Chair) / Cesarec, Paulina (Secretary) / Dragcevic, Zvonko / Höller, Liane / Kettler, Roman / Knezevic, Sime / Resetova, Kvetoslava / Stefankova, Jana / Stopper, Markus / Velisek, Karol Annals of DAAAM for 2008 and Proceeding of the 19th International DAAAM Symposium, ISSN 1726-9679, ISBN 978-3-901509-68-1 1496 Authors / 781 Published papers ISI Scientific Proceedings Thomson Reuters B[ranko] Katalinic
<b>2007</b>	<b>The 1st European DAAAM International Young Researchers' and Scientists' Conference</b> <i>On the occasion of Date &amp; Place Organized by</i>	Organised in Order to Celebrate 70th Birthday of Dr Wilfried Stoll 5th Anniversary of Refounding of the University of Zadar (Founded 1396) 24-27th October 2007, Zadar, Croatia DAAAM International Vienna, University of Zadar, University of Applied Sciences



*Under the auspices of  
In cooperation with  
Organizers*

*Publication*

*Authors / Papers  
Referred / indexed in  
Editor*

Technikum Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects

Danube Rectors' Conference & Rectors' Honor Committee of DAAAM International  
Croatian National Tourist Board

Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Cesarec, Paulina (Secretary) /  
Dragcevic, Zvonko / Höller, Liane / Kettler, Roman / Knezevic, Sime / Stopper, Markus /  
Stuja, Kemajl / Wenger, Monika

Annals of DAAAM for 2007 and Proceeding of the 18th International DAAAM  
Symposium, ISSN 1726-9679, ISBN 3-901509-58-5

803 Authors / 419 Published papers

ISI Scientific Proceedings Thomson Reuters  
B[ranko] Katalinic

# INTERNATIONAL CONFERENCE “VALLIS AUREA”

<b>2018</b>	<b>6th International Conference “Vallis Aurea”:Focus on Regional Development</b> <i>Date &amp; Place</i> 20-22th September 2018, Pozega, Croatia <i>Organized by</i> Polytechnic of Pozega, DAAAM International Vienna <i>Organizers</i> Katalinic, B. (Chair) / Zima, D. (Chair) / Cesarik, M. / Andrllic, B. / Del Vechio, M. / Mesic, J. / Stavlic, K. / Potnik Galic, K. / Bjelic, D. / Obradovic, V. <i>Proceedings Editors</i> ISBN 978-3-902734-10-5 Katalinic, B[ranko] <i>Published by</i> Polytechnic of Pozega, Croatia and DAAAM International Vienna
<b>2016</b>	<b>5th International Conference “Vallis Aurea”:Focus on Regional Development</b> <i>Date &amp; Place</i> 23th September 2016, Pozega, Croatia <i>Organized by</i> Polytechnic of Pozega, DAAAM International Vienna <i>Organizers</i> Katalinic, B. (Chair) / Zima, D. (Chair) / Cesarik, M. / Andrllic, B. / Del Vechio, M. / Mesic, J. / Stavlic, K. / Potnik Galic, K. / Bjelic, D. / Obradovic, V. <i>Proceedings Editors</i> ISBN 978-3-902734-02-0 Katalinic, B[ranko] <i>Published by</i> Polytechnic of Pozega, Croatia and DAAAM International Vienna
<b>2014</b>	<b>4th International Conference “Vallis Aurea”:Focus on Regional Development</b> <i>Date &amp; Place</i> 18th-20th September 2014, Pozega, Croatia <i>Organized by</i> Polytechnic of Pozega, DAAAM International Vienna <i>Organizers</i> Katalinic, B. (Chair) / Zima, D. (Chair) / Cesarik, M. / Andrllic, B. / Del Vechio, M. / Mesic, J. / Stavlic, K. / Potnik Galic, K. / Bjelic, D. / Obradovic, V. <i>Proceedings Editors</i> ISBN 978-3-902734-02-0 Katalinic, B[ranko] <i>Published by</i> Polytechnic of Pozega, Croatia and DAAAM International Vienna
<b>2012</b>	<b>3rd International Conference “Vallis Aurea”:Focus on Regional Development</b> <i>Date &amp; Place</i> 5th October 2012, Pozega, Croatia <i>Organized by</i> Polytechnic of Pozega, DAAAM International Vienna <i>Organizers</i> Katalinic, B. (Chair) / Matijevic, D. (Chair) / Cesarik, M. / Cesarec, P. / Andrllic, B. / Del Vechio, M. / Mesic, J. / Vulic, V. <i>Proceedings Editors</i> ISBN 978-3-901509-78-0, ISBN 978-953-7744-16-8 Katalinic, B[ranko] <i>Published by</i> Polytechnic of Pozega, Croatia and DAAAM International Vienna
<b>2010</b>	<b>2nd International Conference “Vallis Aurea”:Focus on Regional Development</b> <i>Date &amp; Place</i> 3rd September 2010, Pozega, Croatia <i>Organized by</i> Polytechnic of Pozega, DAAAM International Vienna <i>Organizers</i> Budic, I. (Chair) / Katalinic, B. (Co-Chair) / Andrllic, V. / Budimir, V. / Cesarec, P. / Del Vechio, M. / Mahacek, D. / Svitlica, B. / Vulic, V. / Zima, D. <i>Proceedings Editors</i> ISBN 978-3-901509-76-6, ISBN 978-953-7744-06-9 Katalinic, B[ranko] <i>Published by</i> Polytechnic of Pozega, Croatia and DAAAM International Vienna
<b>2008</b>	<b>1st International Conference “Vallis Aurea”:Focus on Regional Development</b> <i>Date &amp; Place</i> 19th September 2008, Pozega, Croatia <i>Organized by</i> Polytechnic of Pozega, DAAAM International Vienna <i>Organizers</i> Budic, I. (Chair) / Katalinic, B. (Co-Chair) / Andrllic, V. / Cesarec, P. / Culo, I. / Del Vechio, M. / Fajdic, J. / Svitlica, B. / Zima, D. <i>Proceedings Editors</i> ISBN 978-3-901509-60-5, ISBN 978-953-98762-7-0 Katalinic, B[ranko] <i>Published by</i> Polytechnic of Pozega, Croatia and DAAAM International Vienna

# DAAAM INTERNATIONAL SPECIALIZED CONFERENCES

<b>2010</b>		<b>3rd International Conference on Additive Technologies, DAAAM International Specialized Conference</b> <i>Founder and Chair</i> Drstvensek, I. <i>Date &amp; Place</i> 22-24th September 2010, Hotel Perla, Nova Gorica, Slovenia <i>Organized by</i> DAAAM International Vienna/Interesansa (RAPIMAN – Rapid Prototyping and Innovative Manufacturing Network)/ University of Maribor - Faculty of Mechanical Engineering/University of Ljubljana, Institute for Innovation and Development/University of Ljubljana, Faculty of Medicine/APRI – Italian Rapid Prototyping Association <i>Organizers</i> Drstvenšek, Igor (Chair), Katalinic, Branko (Co-Chair) / Dolinsek, Slavko (Co-Chair) / Frangež, Primož/Hadzistevic, Miodrag/Pogačar, Dušan/Pogačar, Vojko/Reinhardt, Andrea/Semi, Kristina/Valentan, Bogdan/Wohlers, Terry/Zgoznik, Evgen <i>Proceedings</i> ISBN 9783901509759, ISSN 1992-5093 <i>Editors</i> Drstvensek, I[gor]; Katalinic, B[ranko] & Dolinsek, S[lavko] <i>Published by</i> DAAAM International Vienna
<b>2008</b>		<b>2nd International Conference on Additive Technologies, DAAAM International Specialized Conference</b> <i>Founder and Chair</i> Drstvensek, I. <i>Date &amp; Place</i> 17-18th September 2008, Hotel Primus, Ptuj, Slovenia <i>Organized by</i> DAAAM International Vienna/Interesansa (RAPIMAN – Rapid Prototyping and Innovative Manufacturing Network)/ University of Maribor - Faculty of Mechanical Engineering/University of Ljubljana, Institute for Innovation and Development <i>Organizers</i> Drstvensek, Igor (Chair) / Katalinic, Branko (Co-Chair) / Dolinsek, Slavko (Co-Chair) / Valentan, Bogdan / Brajlh, Tomaz / Bauer Fuzir, Gabriela / Reinhardt, Andrea / Ficko, Mirko / Pogacar, Vojko <i>Proceedings</i> ISBN 3-901509-72-0, ISSN1992-5085 <i>Editors</i> Drstvensek, I[gor]; Katalinic, B[ranko] & Dolinsek, S[lavko] <i>Published by</i> DAAAM International Vienna
<b>2007</b>		<b>1st DAAAM International Specialized Conference on Additive Technologies</b> <i>Founder and Chair</i> Katalinic B. <i>Date &amp; Place</i> 20th April 2007, Celje, Slovenia <i>Organized by</i> DAAAM International Vienna / RAPIMAN – Rapid Prototyping and Innovative Manufacturing Network / Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), / University of Maribor , Faculty of Mechanical Engineering - Department of Production Engineering / ÖIAV 1848 Austrian Society of Engineers and Architects / University of Applied Sciences - Technikum <i>Organizers</i> Drstvensek, Igor (Chair) / Katalinic Branko (Co-Chair) / Valentan, Bogdan / Brajlh, Tomaz / Tercek, Tomaz / Reinhardt, Andrea / Ficko, Mirko / Pogacar, Vojko / Dolinsek, Slavko <i>Proceedings</i> ISBN 3-901509-61-5, ISSN1992-5085 <i>Editors</i> Drstvensek, I[gor] & Katalinic, B[ranko] <i>Published by</i> DAAAM International Vienna

## DAAAM INTERNATIONAL CONFERENCES "ADVANCED TECHNOLOGIES FOR DEVELOPING COUNTRIES"

<b>2006</b>		<b>5th DAAAM International Conference on Advanced Technologies for Developing Countries, ATDC-2006</b>
<i>Founder and Chair</i>		Katalinic B.
<i>Date &amp; Place</i>		28-30th June 2006, Rijeka, Croatia
<i>Organized by</i>		University of Rijeka, Faculty of Engineering, DAAAM International Vienna
<i>Organizers</i>		Mikac T[onci] (Chair), Car Z[latan] (Co-chair), Barisic B[ranimir], Cukor G[oran], Ikonic M[ilan], Pavletic D[usko], Perinic M[laden], Blazevic D[alibor], Jurkovic Z[oran]
<i>Proceedings</i>		ISBN 3-901509-54-2 (Book), ISBN3-901509-55-0 (CD), ISBN 953-6326-45-0
<i>Editors</i>		Mikac, T[onci] & Katalinic, B[ranko]
<i>Published by</i>		University of Rijeka, Faculty of Engineering, DAAAM International Vienna
<b>2005</b>		<b>4th DAAAM International Conference on Advanced Technologies for Developing Countries, ATDC-2005</b>
<i>Founder and Chair</i>		Katalinic B.
<i>Date &amp; Place</i>		September, 21-24th, 2005, Slavonski Brod, Croatia
<i>Organized by</i>		Faculty of Mechanical Engineering, Josip Juraj Strossmayer University of Osijek; DAAAM International Vienna
<i>On the occasion of</i>		30th Anniversary of Josip Juraj Strossmayer University of Osijek
<i>Organizers</i>		Budic, Ivan (Chair); Kljain Milan (Co-Chair); Kozak, Drazen (Secretary); Katalinic, Branko (Chair of Program Committee); Raos, Pero; Saric, Tomislav; Stojic, Antun; Simunovic, Goran; Novoselovic, Daniel; Karakasic, Mirko
<i>Proceedings</i>		ISBN 3-901509-49-6 ISBN 953-6048-29-9
<i>Editors</i>		Kljain, M[ilan]; Katalinic, B[ranko] & Budic, I[van]
<i>Published by</i>		DAAAM International Vienna; Faculty of Mechanical Engineering Slavonski Brod Josip Juraj Strossmayer University of Osijek
<b>2004</b>		<b>3rd DAAAM International Conference on Advanced Technologies for Developing Countries, ATDC-2004</b>
<i>Founder and Chair</i>		Katalinic B.
<i>Date &amp; Place</i>		23-26th June 2004, Split, Croatia
<i>Organized by</i>		Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split; DAAAM International Vienna
<i>Organizers</i>		Ivica Veža (Chairman); Željko Domazet (Co-Chairman); Branko Katalinic (Co-Chairman); Tonči Grubić (Secretary), et al.
<i>Proceedings</i>		ISBN 3-901509-41-0
<i>Editors</i>		Katalinic, B[ranko] & Veza, I[vica]
<i>Published by</i>		DAAAM International Vienna; Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split;
<b>2003</b>		<b>2nd DAAAM International Conference on Advanced Technologies for Developing Countries, ATDC-2003</b>
<i>Founder and Chair</i>		Katalinic B.
<i>Date &amp; Place</i>		25-28th June 2003, Tuzla, Bosnia and Herzegovina
<i>Organized by</i>		Faculty of Mechanical Engineering, University of Tuzla; DAAAM International Vienna
<i>On the occasion of</i>		40th Anniversary of Mechanical Engineering Study in Tuzla
<i>Organizers</i>		Tufekcic, Dzemo (Chair); Katalinic, Branko (Co-Chairman); Widtmann, Georg (Co-Chairman); Topcic, Alen (Secretary); Kapetanovic, Izrudin; Alagic, Sandira; Alic, Izet; Buljubasic, Indira; Hadzic, Senija; Mehmedovic, Muhamed; Mujic, Elvedin; Nezirevic, Salahudin; Saric, Emir; Kapetanovic, Irena
<i>Proceedings</i>		ISBN 3-901509-35-6
<i>Editors</i>		Katalinic, B[ranko] & Tufekcic, Dz[emo]
<i>Published by</i>		DAAAM International Vienna; University of Tuzla - Faculty of Mechanical Engineering

<b>2002</b>	<b>1st DAAAM International Conference on Advanced Technologies for Developing Countries, ATDC-2002</b>
<i>Founder and Chair</i>	Katalinic B.
<i>Date &amp; Place</i>	12-14th September 2002, Slavonski Brod, Croatia
<i>Organized by</i>	Faculty of Mechanical Engineering, Strossmayer University of Osijek; DAAAM International Vienna
<i>On the occasion of</i>	40th Anniversary of Mechanical Engineering Study in Slavonski Brod
<i>Organizers</i>	Majdandzic, Niko (Chair), Kljajin M. (Co-Chair), Kozak D. (Secretary), Cicak M., Galeta T., Hnatko E., Ivandic Z., Lujic R., Maglic L., Maticevic G., Raos P., Stojic A., Saric T., Simunovic K., Simunovic G., Vujcic D.
<i>Proceedings</i>	ISBN 3-901509-32-1; ISBN 953-7611-64-X
<i>Published by</i>	DAAAM International Vienna; Strossmayer University of Osijek - Faculty of Mechanical Engineering; Grafika Osijek
<i>Editors</i>	Katalinic, B[ranko] & Kljajin, M[ilan]



## DAAAM INTERNATIONAL WORKSHOPS "COMPUTER AIDED SYSTEMS AND TECHNOLOGIES"

This workshop is based on the bilateral co-operation between two similar departments of the Faculties of Mechanical Engineering of the University of Zilina, Slovakia and Cracow University of Technology - CUT, Cracow, Poland. Those activities are supported by DAAAM National Organisations of Poland and Slovakia, and DAAAM International. In order to install this workshop as stable long-term regional platform for the *CA Systems and Technologies* fields it was decided to found:

### **Permanent Committee of Workshop:**

Permanent Members:

**Ivan Kuric**

*University of Zilina, Zilina,  
Slovakia*

**Branko Katalinic**

*Vienna University of Technology and  
DAAAM International, Vienna, Austria*

**Jan Duda**

*Cracow University of  
Technology, Cracow, Poland*

<b>Academic Year</b>	<b>Members Institutions</b>
<b>2012/2013</b>	Z. Car University of Rijeka, Croatia / J. Audy Edith Cowan University, Australia / L. Goldhahn FH Mittweida, Germany / J. Marcinčin TU Kosice, Slovakia / N. Cubonova ZU Zilina, Slovakia / S. Legutko PUT Poznan, Poland / S. Grozav Technical University of Cluj-Napoca, Romania / N. Ungureanu University of Baia Mare, Romania
<b>2011/2012</b>	Z. Car University of Rijeka, Croatia / J. Audy Edith Cowan University, Australia / L. Goldhahn FH Mittweida, Germany / J. Marcinčin TU Kosice, Slovakia / N. Cubonova ZU Zilina, Slovakia / S. Legutko PUT Poznan, Poland / S. Grozav Technical University of Cluj-Napoca, Romania / N. Ungureanu University of Baia Mare, Romania
<b>2009/2010</b>	B. Barisic University of Rijeka, Croatia / J. Audy Edith Cowan University, Australia / L. Goldhahn FH Mittweida, Germany / J. Marcinčin TU Kosice, Slovakia / N. Cubonova ZU Zilina, Slovakia / S. Legutko PUT Poznan, Poland / S. Grozav Technical University of Cluj-Napoca, Romania / N. Ungureanu University of Baia Mare, Romania
<b>2008/2009</b>	B. Barisic University of Rijeka, Croatia / J. Audy Edith Cowan University, Australia / L. Goldhahn FH Mittweida, Germany / J. Marcinčin TU Kosice, Slovakia / J. Matuszek ATH - University of Bielsko Biala, Poland / S. Legutko PUT Poznan, Poland / N. Ungureanu University of Baia Mare, Romania
<b>2007/2008</b>	B. Barisic University of Rijeka, Croatia / R. Cotetiu University of Baia Mare, Romania / L. Goldhahn FH Mittweida, Germany / J. Marcinčin TU Kosice, Slovakia / J. Matuszek ATH - University of Bielsko Biala, Poland / J. Peterka TU Bratislava, Slovakia / N. Ungureanu University of Baia Mare, Romania
<b>2006/2007</b>	B. Barisic University of Rijeka, Croatia / R. Cotetiu University of Baia Mare, Romania / L. Goldhahn FH Mittweida, Germany / J. Marcinčin TU Kosice, Slovakia / H. Sjolander University of Kristianstad, Sweden / P. Šugár TU Zvolen, Slovakia / N. Ungureanu University of Baia Mare, Romania
<b>2005/2006</b>	R. Cotetiu University of Baia Mare, Romania / J. Marcinčin TU Kosice, Slovakia / J. Matuszek University of Bielsko Biala, Poland / S. Legutko PUT Poznan, Poland / P. Šugár TU Zvolen, Slovakia / N. Ungureanu University of Baia Mare, Romania
<b>2004/2005</b>	L. Goldhahn FH Mittweida, Germany / J. Madl CVUT Prague, Czech Republic / J. Marcincin TU Kosice, Slovakia / E. Pay University of Baia Mare, Romania / D. Plinta University of Bielsko Biala, Poland / G. Varga University of Miskolc, Hungary
<b>2003/2004</b>	D. Georgiev TU Varna, Bulgaria / L. Goldhahn FH Mittweida, Germany / J. Manlig TU Liberec, Czech Republic / J. Marcincin TU Kosice, Slovakia / G. Varga University of Miskolc, Hungary
<b>2002/2003</b>	D. Kumicakova University of Zilina, Slovakia / S. Legutko PUT Poznan, Poland / J. Marcincin TU Kosice, Slovakia / I. Neaga University of Loughborough, U.K. / A. Pendrey TU Birmingham, U.K. / J. Peterka STU Trnava, Slovakia / L. Soos STU Bratislava, Slovakia

<b>2001/2002</b>	N. Cubonova <i>University of Zilina, Slovakia</i> / S. Legutko <i>PUT Poznan, Poland</i> / J. Marcincin <i>TU Kosice, Slovakia</i> / I. Neaga <i>TU Iasi, Romania</i> / J. Peterka <i>STU Trnava, Slovakia</i> / L. Soos <i>STU Bratislava, Slovakia</i>
<b>2000/2001</b>	N. Cubonova <i>University of Zilina, Slovakia</i> / S. Legutko <i>PUT Poznan, Poland</i> / J. Marcincin <i>TU Kosice, Slovakia</i> / I. Neaga <i>TU Iasi, Romania</i> / J. Peterka <i>STU Trnava, Slovakia</i> / L. Soos <i>STU Bratislava, Slovakia</i>
<b>1999/2000</b>	S. Legutko <i>PUT Poznan, Poland</i> / J. Marcincin <i>TU Kosice, Slovakia</i> / I. Neaga <i>TU Iasi, Romania</i>

The main aim of the Permanent Committee is to prepare the DAAAM International workshops oriented on CA systems and technologies and propagate all accompanying activities during academic year (projects, WEB journal, common publications, PhD seminars, exchange of students and lectures, etc.). The list of workshops organised during the past.

<b>2009</b>	<b>14th DAAAM International Workshop “CA Systems and Technologies”</b> <i>Date &amp; Place</i> 8 – 10th December 2009, Žilina, Slovakia <i>Organized by</i> University of Zilina, CUT Cracow, DAAAM International Vienna <i>Organisers</i> Kuric, I[van]; Duda, J[an] & Katalinic B[ranko] <i>Proceedings</i> ISBN 978-3-901509-82-7 <i>Editors</i> Kuric, I[van] & Katalinic B[ranko]
<b>2008</b>	<b>13th DAAAM International Workshop “CA Systems and Technologies”</b> <i>Date &amp; Place</i> 6-8th October 2008, Cracow, Poland <i>Organized by</i> CUT Cracow, University of Zilina, DAAAM International Vienna <i>Organisers</i> Duda, J[an]; Kuric, I[van] & Katalinic B[ranko] <i>Proceedings</i> ISBN 978-83-7242-481-5 <i>Editors</i> Duda, J[an]; Kuric, I[van] & Katalinic, B[ranko]
<b>2007</b>	<b>12th DAAAM International Workshop “CA Systems and Technologies”</b> <i>Date &amp; Place</i> 17-19th October 2007, Žilina, Slovakia <i>Organized by</i> University of Zilina, CUT Cracow, DAAAM International Vienna <i>Organisers</i> Kuric, I[van]; Duda, J[an] & Katalinic B[ranko] <i>Proceedings</i> ISBN 3-901509-56-9 <i>Editors</i> Kuric, I[van]; Duda, J[an] & Katalinic, B[ranko]
<b>2006</b>	<b>11th DAAAM International Workshop “CA Systems and Technologies”</b> <i>Date &amp; Place</i> 2-4th October 2006, Cracow, Poland <i>Organized by</i> CUT Cracow, University of Zilina, DAAAM International Vienna <i>Organisers</i> Duda, J[an]; Kuric, I[van] & Katalinic B[ranko] <i>Proceedings</i> ISBN 3-901509-56-9 <i>Editors</i> Duda, J[an]; Kuric, I[van] & Katalinic, B[ranko]
<b>2005</b>	<b>10th DAAAM International Workshop “CA Systems and Technologies”</b> <i>Date &amp; Place</i> 12-14th December 2005, Strecno - Zilina, Slovak Republic <i>Organized by</i> University of Zilina, CUT Cracow, DAAAM International Vienna <i>Organisers</i> Kuric, I[van]; Duda, J[an] & Katalinic B[ranko] <i>Proceedings</i> ISBN 3-901509-51-8 <i>Editors</i> Kuric, I[van] & Katalinic, B[ranko]
<b>2004</b>	<b>9th DAAAM International Workshop “CA Systems and Technologies”</b> <i>Date &amp; Place</i> 5-6th October 2004, Cracow, Poland <i>Organized by</i> CUT Cracow, University of Zilina, DAAAM International Vienna <i>Organisers</i> Duda, J[an]; Kuric, I[van] & Katalinic B[ranko] <i>Proceedings</i> ISBN 83-7242-320-2 <i>Editors</i> Duda, J[an] & Katalinic, B[ranko]
<b>2003</b>	<b>8th DAAAM International Workshop “CA Systems and Technologies”</b> <i>Date &amp; Place</i> 29th September - 1st October 2003, Strecno - Zilina, Slovak Republic <i>Organized by</i> University of Zilina, CUT Cracow, DAAAM International Vienna <i>Organisers</i> Duda, J[an]; Kuric, I[van] & Katalinic B[ranko] <i>Proceedings</i> ISBN 3-901509-39-9 <i>Editors</i> Kuric, I[van] & Katalinic, B[ranko]
<b>2002</b>	<b>7th DAAAM International Workshop “CA Systems and Technologies”</b> <i>Date &amp; Place</i> 8-9th October 2002, CUT Cracow, Poland



<i>Organized by</i> <i>Organisers</i> <i>Proceedings</i> <i>Editors</i>	CUT Cracow, University of Zilina, DAAAM International Vienna Duda, J[an]; Kuric, I[van] & Katalinic B[ranko] ISBN 3-901509-33-X Duda, J[an] & Katalinic, B[ranko]
<b>2001</b>	<b>6th DAAAM International Workshop "CA Systems and Technologies"</b> 25-26th September 2001, Sulov, Slovak Republic University of Zilina, CUT Cracow, DAAAM International Vienna Duda, J[an]; Kuric, I[van] & Katalinic B[ranko] ISBN 3-901509-27-5 Kuric, I[van] & Katalinic, B[ranko]
<b>2000</b>	<b>5th DAAAM International Workshop "CA Systems and Technologies"</b> 28-29th September 2000, Cracow, Poland CUT Cracow, University of Zilina, DAAAM International Vienna Duda, J[an]; Kuric, I[van] & Katalinic B[ranko] ISBN 3-901509-16-X Duda, J[an] & Kuric, I[van] & Katalinic, B[ranko]
<b>1999</b>	<b>4th DAAAM International Workshop "CA Systems and Technologies: Advanced Methodology of Process Planning"</b> 12-13th October 1999, Zilina, Slovak Republic University of Zilina, VUT Vienna, CUT Cracow, DAAAM International Vienna, DAAAM Slovakia, DAAAM Poland Kuric, I[van]; Katalinic B[ranko], Duda, J[an]; Poppeova V. & Marcincin J. ISBN 3-901509-12-7 Kuric, I[van] & Katalinic, B[ranko]
<b>1998</b>	<b>3rd DAAAM International Workshop "CA Systems and Technologies"</b> 29-30th September 1998, Cracow, Poland CUT Cracow, University of Zilina, DAAAM Poland, DAAAM Slovakia, DAAAM International Vienna Kuric, I[van]; Katalinic B[ranko], Duda, J[an]; Poppeova V[iera] & Marcincin J[] Kuric, I[van]
<b>1997</b>	<b>2nd International DAAAM Workshop "CA Systems and Technologies"</b> 19th March 1997, Zilina, Slovakia University of Zilina, Faculty of Mechanical Engineering, DAAAM International Vienna; DAAAM Slovakia Cubanova N[]; Janac A[leksander]., Kuric, I[van]; Micieta B[ranislav] & Wessely E[mil] Kuric, I[van]



## **DAAAM INTERNATIONAL WORKSHOPS "INTELLIGENT MANUFACTURING SYSTEMS"**

Founder and chair of DAAAM International workshop on Intelligent Manufacturing Systems is Professor Emil Wessely, Technical University of Kosice.

<b>2002</b>	<b>4th DAAAM Workshop "Human Factor and Environmentalist"</b> <i>Date &amp; Place</i> 5th December 2002, Kosice, Slovakia <i>Organized by</i> Department of Environmental Studies and Operations Management of Mechnaical Engineering Faculty of Technical University of Kosice, DAAAM International Vienna <i>Organized in cooperation with</i> Slovak Technical Museum of Kosice <i>Organisers</i> Oesterreichische Sued-Ost Institut - Vienna <i>Supported by</i> Badida M., Wessely E., Bosak M., Majernik M., Lumnitzer E., Kralikova R., Evin E., Rovnak M., Hricova B., Karaszova I., Liberkova L., Verebova H. <i>Proceedings Editors</i> Action Austria - Slovakia ISBN 3-901509-37-2 Katalinic, B[ranko] & Wessely, E[mil]
<b>2001</b>	<b>3rd DAAAM Workshop "Intelligent Manufacturing Systems"</b> <i>Date &amp; Place</i> 29th November 2001, Kosice, Slovakia <i>Organized by</i> Technical University of Kosice, DAAAM International Vienna, DAAAM Slovakia <i>Organized in cooperation with</i> Action Austria-Slovakia, Faculty of Mechanical Engineering - Technical University of Kosice, Slovak Community for System Integration, Slovak Mechanical Engineering Association <i>Organisers</i> Wessely E.(Chair), Badida M., Seminsky J., Evin E., Ljoljic B., Kordic V., Pecha C., Rovnak M., Taticek F. <i>Supported by</i> Action Austria - Slovakia <i>Proceedings Editors</i> ISBN 3-901509-31-3 Katalinic, B[ranko] & Wessely, E[mil]
<b>2000</b>	<b>2nd DAAAM Workshop "Intelligent Manufacturing Systems"</b> <i>Date &amp; Place</i> 30th November 2000, Kosice, Slovakia <i>Organized by</i> Technical University of Kosice, DAAAM International Vienna, DAAAM Slovakia <i>Organized in cooperation with</i> Action Austria-Slovakia, Faculty of Mechanical Engineering - Technical University of Kosice, Slovak Committee for Management - ZVTS Bratislava, Slovak Mechanical Engineering Association <i>Organizer</i> Wessely E.(Chair), Seminsky J., Badida M., Evin E., Paralic J., Knoflicek R., Hradocky L., Bosak M., Kozak L., Vargova J. <i>Supported by</i> Action Austria - Slovakia <i>Proceedings Editors</i> ISBN 3-901509-18-6 Katalinic, B[ranko] & Wessely, E[mil]
<b>1997</b>	<b>1st DAAAM Workshop "Intelligent Manufacturing Systems"</b> <i>Date &amp; Place</i> 28th November 1997, Kosice, Slovakia <i>Organized by</i> Technical University of Kosice, DAAAM International Vienna, DAAAM Slovakia <i>Organized in cooperation with</i> Action Austria-Slovakia, Faculty of Mechanical Engineering - Technical University of Kosice, Slovak Committee for Management - ZVTS Bratislava, Slovak Mechanical Engineering Association <i>Organisers</i> Wessely E. (Chair), Seminsky J., Evin E., Kovacik J. <i>Proceedings Editor</i> ISBN 3-901509-09-7 Seminsky, J[aroslav]



## DAAAM INTERNATIONAL WORKSHOPS

As an extension of the Symposiums, International Workshops focussing on key issues are arranged. A number of these are detailed below.

<b>1999</b>	<b>1st International Regional DAAAM-CEEPUS Workshop on Intelligent Machines and Technologies in the 21st Century</b> <i>Date &amp; Place</i> 27-29th May 1999, Miskolc, Hungary <i>Organized by</i> Faculty of Mechanical Engineering, University of Miskolc in co-operation with DAAAM International Vienna <i>Proceedings Organizer</i> ISBN 3-901509-14-3 Cselenyi J., Alpek F., Katalinic B., Kalmar L., Terstyanszky G., Kerekes I., Siposs I., Peter J.
<b>1996</b>	<b>4th International DAAAM Workshop "CAD &amp; Intelligent Manufacturing Systems"</b> <i>Date &amp; Place</i> 22nd February 1996, Kosice, Slovakia <i>Organized by</i> DAAAM International Vienna; DAAAM Slovakia; Technische Universität Kosice, House of Technology, Informatech <i>Proceedings Organizer</i> ISBN 80-967223-8-7 Katalinic, B[ranko]; Seminsky, J[aroslav] & Wessely, E[mil]
<b>1995</b>	<b>3rd International DAAAM Workshop "Intelligent Manufacturing Systems"</b> <i>Date &amp; Place</i> 31st May 1995, Kosice, Slovakia <i>Organized by</i> DAAAM International Vienna; DAAAM Slovakia; Technische Universität Kosice, KAVS; Slovak-Austrian Society Kosice <i>Organizer</i> Katalinic, B[ranko]; Seminsky, J[aroslav] & Wessely, E[mil]
<b>1995</b>	<b>2nd International DAAAM Workshop "Integration of Applications"</b> <i>Date &amp; Place</i> 15th May 1995, IBM Austria, Vienna, Austria <i>Organized by</i> DAAAM International Vienna; IBM Österreich; IBM Central Europe and Russia; AKS Beer M., Hansjakob K., Katalinic, B[ranko], Kaufmann A., Lerch Z., Steinbichler J., Zucker R. <i>Organizer</i>
<b>1994</b>	<b>1st International DAAAM Workshop "Automatic Identification in Theory and Praxis"</b> , <i>Date &amp; Place</i> 28th April 1994, Vienna University of Technology, Vienna, Austria <i>Organized by</i> DAAAM International Vienna; DATALOGIC; Vienna University of Technology, Department of Production Engineering, IFT-IMS <i>Organizer</i> Bruck, P[eter]; Katalinic, B[ranko] & Lerch Z[oran]
<b>1991</b>	<b>1st International DAAAM Seminar "Concurrent Engineering"</b> <i>Date &amp; Place</i> 17-18th April 1991, Kosice, Czechoslovakia <i>Organized by</i> Schlumberger Technologies, CAD/CAM Division – Wien; Department for Automatic Production Systems, Faculty of Mechanical Engineering, Technical University of Kosice <i>Organizer</i> Wessely, E[mil]; Katalinic, B[ranko] & Ljuhar, D[avul]



## CONFERENCES ORGANIZED IN COOPERATION WITH DAAAM INTERNATIONAL AND/OR DAAAM NATIONAL

<b>2014</b>	<b>9th International Conference of DAAAM Baltic "Industrial Engineering"</b> 24-26th April 2014, Tallinn, Estonia Organized by Tallinn University of Technology, DAAAM International Vienna, DAAAM Baltic Organizers Otto, Tauno (Chair) / Kütnner, Rein / Paist, Aaadu / Motus, Leo / Tamre, Mart / Veinthal, Renno Proceedings ISBN 978-9949-23-620-6 Editors Otto, Tauno Published by Tallinn University of Technology, DAAAM International Vienna
<b>2012</b>	<b>8th International Conference of DAAAM Baltic "Industrial Engineering"</b> 19-21th April 2012, Tallinn, Estonia Organized by Tallinn University of Technology, DAAAM International Vienna, DAAAM Baltic Organizers Otto, Tauno (Chair) / Kütnner, Rein / Paist, Aaadu / Motus, Leo / Tamre, Mart / Veinthal, Renno Proceedings ISBN 978-9949-23-265-9 Editors Otto, Tauno Published by Tallinn University of Technology, DAAAM International Vienna
<b>2012</b>	<b>6th International Textile, Clothing and Design Conference, ITC&amp;DC 2012</b> 7th-10th October 2012, Dubrovnik, Croatia Organised by Faculty of Textile Technology University of Zagreb Under the auspices of President of the Republic of Croatia, Prof. Ivo Josipovic, Ph.D., Ministry of Science, Education and Sport; University of Zagreb; Croatian Academy of Engineering; AUTEX; AATCC; ESCORENA; The Textile Institute; Society of Dyers and Colourists; International Federation of Knitting Technologists; Croatian Society of Chemical Engineering; Croatian Chamber of Economy; CARNet In cooperation with DAAAM International Vienna Organisers Dragcevic Z. (Chair), Vuljanic N. (Co-Chair), Bobovcan Marcelic M., Hursa Sajatovic A., Kovacevic Z., Matijevic I., Mauser B., Saravanja B., Vujasinovic E. Proceedings ISSN – 1847-7275 Editor Dragcevic, Z.[vonko]; Hursa Sajatovic, A.[nica]; Vujasinovic, E.[dita] Published by Faculty of Textile Technology University of Zagreb
<b>2010</b>	<b>5th International Textile, Clothing and Design Conference, ITC&amp;DC 2010</b> 3rd-6th October 2010, Dubrovnik, Croatia Organised by Faculty of Textile Technology University of Zagreb Under the auspices of President of the Republic of Croatia, Prof. Ivo Josipovic, Ph.D., Ministry of Science, Education and Sport; University of Zagreb; Croatian Academy of Engineering; AUTEX;

<i>In cooperation with Organisers</i>  <i>Proceedings Editor Published by</i>	AATCC; ESCORENA; The Textile Institute; Society of Dyers and Colourists; International Federation of Knitting Technologists; Croatian Society of Chemical Engineers; Croatian Chamber of Economy; CARNet DAAAM International Vienna Dragcevic Z. (Chair), Vuljanic N. (Co-Chair), Hursa Sajatovic A., Kovacevic Z., Mauser B., Saravanja B., Tisaj T., Vlatkovic S., Vujasinovic E. ISSN – 1847-7275 Dragcevic, Z.[vonko]; Hursa Sajatovic, A.[nica]; Vujasinovic, E.[dita] Faculty of Textile Technology University of Zagreb
<b>2010</b>	<b>7th International Conference of DAAAM Baltic "Industrial Engineering"</b> 22-24th April 2010, Tallinn, Estonia Tallinn University of Technology, DAAAM International Vienna, DAAAM Baltic Kyttner, Rein (Chair) / Tamre, Mart / Veinthal, Renno / Paist, Aaadu / Roosimölder, Lembit / Motus, Leo / Otto, Tauno ISBN 978-9985-59-982-2 Kyttner, Rein Tallinn University of Technology, DAAAM International Vienna
<b>2008</b>	<b>4th International Textile, Clothing and Design Conference, ITC&amp;DC 2008</b> 5-8th October 2008, Dubrovnik, Croatia Faculty of Textile Technology University of Zagreb Croatian Ministry of Science, Education and Sports, University of Zagreb, Croatian Chamber of Economy DAAAM International Vienna; AUTEX Ghent, Belgium; The Textile Institute, Manchester, Great Britain; The International Textile Academy, New Delhi, India; Croatian Academy of Engineering; Croatian Society of Chemical Engineers; Society of Dyers and Colourist, Bradford, Great Britain; INA Oil Industry, Zagreb, Croatia; CARNet, Zagreb, Croatia Dragcevic Z. (Chair), Vuljanic N. (Co-Chair), Bogovic S., Hursa A., Mauser B., Runkas M., Simoncic K.N., Vujasinovic E. ISBN 978-953-7105-26-6 Dragcevic, Z[vonko] Faculty of Textile Technology University of Zagreb
<b>2008</b>	<b>6th International Conference of DAAAM Baltic "Industrial Engineering"</b> 24-26th April 2008, Tallinn Technical University, Estonia Tallinn University of Technology, Faculty of Mechanical Engineering, DAAAM Estonia DAAAM International Vienna DAAAM International Vienna , BALTECH Consortium, Estonian Academy of Science, Federation of Estonian Engineering Industries, Association of Estonian Mechanical Engineers ISBN 978-9985-59-783-5 ISI Proceedings Kyttner R.
<b>2006</b>	<b>3rd International Textile Clothing &amp; Design Conference, ITC&amp;DC 2006</b> 8-11th October 2006, Dubrovnik, Croatia Faculty of Textile Technology, University of Zagreb Croatian Ministry of Science, Education and Sport; University of Zagreb; Croatian Ministry of Economy, Labour and Entrepreneurship; Croatian Chamber of Economy DAAAM International Vienna; Association of Universities for Textile, Ghent, Belgium; The Textile Institute, Manchester, Great Britain; The International Textile Academia New Delhi; Croatian Academy of Engineering; Croatian Societies of Chemical Engineers; AATCC, United States of America; IFKT, Reutlingen, Germany; INA Oil Industry, Zagreb, Croatia; City of Dubrovnik, Croatia Dragcevic Z. (Chair), Vuljanic N. (Co-Chair), Bobovcan M., Bogovic S., Geratovic I., Hursa A., Jandric Dj., Martek M., Matusic K., Mauser B., Petrunic I., Vujasinovic E. ISBN 953-7105-12-1 Dragcevic, Z[vonko] Faculty of Textile Technology, University of Zagreb

<b>2006</b>	<b>11th International FMTÜ Conference for Young Researchers: Focus on IMS and Environmentally friendly technologies</b> <i>Date &amp; Place</i> 24-25th March 2006, Cluj -Napoca, Romania <i>Organized by</i> Technical Section of Transylvanian Museum Society ( EME ) <i>Under the auspices of</i> DAAAM International Vienna <i>In cooperation with</i> Hungarian Academy of Sciences <i>Organizers</i> Gyenge Csaba - president of Scientific Committee Bitay Eniko - president of Organizing Committee <i>Proceedings</i> ISBN 973-82331-50-7 <i>Editors</i> Gyenge C[saba] & Katalinic B[ranko] <i>Published by</i> Transylvanian Museum Society ( EME ) - external section of Hungarian Academy of Science
<b>2006</b>	<b>5th International Conference of DAAAM Baltic "Industrial Engineering – Adding Innovation Capacity of Labour Froce and Entrepreneur"</b> <i>Date &amp; Place</i> 20-22nd April 2006, Tallinn Technical University, Estonia <i>Organized by</i> Tallinn University of Technology, Faculty of Mechanical Engineering, DAAAM Estonia <i>Under Auspices of</i> DAAAM International Vienna <i>In cooperation with</i> DAAAM International Vienna , BALTECH Consortium, Estonian Academy of Science, Federation of Estonian Engineering Industries, Associations of Estanian Mechanical Engineers <i>Proceedings</i> ISBN 9985-894-92-8 <i>Referred/indexed in</i> <i>Editor</i> ISI Proceedings Kyttner R.
<b>2004</b>	<b>3rd International Conference Business Systems Management UPS 2004</b> <i>Date &amp; Place</i> 23-24th September 2004, Mostar, Bosna and Herzegovina <i>Organized by</i> University of Mostar Faculty of Mechanical Engineering and Computing, DAAAM International Vienna, Austrian Society of Engineers and Architects OEIAV-1848, Scientific and Technical Forum of Mostar <i>Under Auspices of</i> Presidency of Bosnia and Herzegovina <i>Organizers</i> Majstorovic V. ( Chair ), Katalinic B. ( Chair ), Covic D., Visekruna, V. <i>Proceedings</i> ISBN 3-901509-24-0 <i>Editors</i> Majstorovic V., Katalinic, B[ranko], Covic D., Visekruna, V.
<b>2004</b>	<b>5th International Workshop on Emergent Synthesis</b> <i>Date &amp; Place</i> 24-25th May 2004, Budapest, Hungary <i>Organized by</i> Computer and Automation Research Institute, Hungarian Academy of Sciences <i>Chair</i> L. Monostori, B. Katalinic, K, Ueda
<b>2004</b>	<b>4th International DAAAM Conference "Industrial Engineering – Innovations as Competitive Edge for "</b> <i>Date &amp; Place</i> 29-30th April 2004, Tallinn Technical University, Estonia <i>Organized by</i> Tallinn Technical University - Department of Machinery, DAAAM Estonia, DAAAM International Vienna <i>In cooperation with</i> Baltic Rector's Council; Association of Estonian; Mechanical Engineers, Federation of Estonian Engineering Industries <i>Proceedings</i> ISBN 9985-894-59-6 <i>Editors</i> Papstel, J[yri] & Katalinic, B[ranko]
<b>2003</b>	<b>1st European-Pacific Congress Globalization: Interaction of Economies, Cultures, Technologies, and Nature,</b> <i>Date &amp; Place</i> 23-26th September, 2003, Vladivostok, Russia <i>Organised by</i> Association "International Assembly of Capitals and Cities"; DAAAM International Vienna; Far Eastern State Technical University; Far Eastern National University; Maritime State University; International Engineering Academy Primorsk Chamber of Commerce & Industry; Far Eastern Branch of the Russian Academy of Sciences; Russian PEN Center; Vladivostok City Administration; Vladivostok Program Committee; Vladivostok State University of Economics <i>Organizers</i> Yu.M. Kopylov (Chairman); (Co-Chairman); G.S. Vishnyakova (Co-Chairman); I.V. Abrosjkin (Co-Chairman); Branko Katalinic (Co-Chairman); M.M. Sokolov, (Co-Chairman); A.A. Akhonin (Coordinator); R.G. Kazmiruk (Secretary)

<i>Proceedings</i>	<i>in Print</i>
<b>2003</b>	<b>8th Scientific Conference of Young Technical Researches, FMTU-2003</b> <i>Date &amp; Place</i> 21-22nd March 2003, Cluj-Napoca <i>Organised by</i> Technical Section of The Transilvanian Museum Association <i>Organizers</i> President of Scientific Committee: Professor Dr Csaba Gyenge <i>Proceedings</i> ISBN 953-96408-8-1 <i>Editor</i> Gyenge, C[saba]
<b>2002</b>	<b>1st International Textile Clothing &amp; Design Conference, ITC&amp;DC</b> <i>Date &amp; Place</i> 6-9th October 2002, Dubrovnik, Croatia <i>Organized by</i> Faculty of Textile Technology, University of Zagreb <i>Under the auspices of</i> DAAAM International Vienna; Association of Universities for Textile, Ghent, Belgium; The Textile Institute, Manchester, Great Britan; International Textile Academia; University of Zagreb; Croatian Academy of Engineering <i>On the occasion of</i> 40th Anniversary of University Education and Scientific Research in the Field of Textiles and Textile Technology in Croatia <i>Organizers</i> Dragcevic Z. (Chair), Vuljanic N. (Co-Chair), Grundler D., Hursa A., Krmpotic N., Rolich T., Rogale D., Vujasinovic E. <i>Proceedings</i> ISBN 953-96408-8-1 <i>Editor</i> Dragcevic, Z[vonko] <i>Published by</i> Faculty of Textile Technology, University of Zagreb
<b>2002</b>	<b>8th International Conference on Soft Computing: MENDEL 2002</b> <i>Date &amp; Place</i> 5-7th June 2001, Brno, Czech Republic <i>Organized by</i> Brno University of Technology, Faculty of Mechanical Engineering, Institute of Automation and Computer Science; DAAAM International Vienna, Austria; Foundation for Advanced Information Technology GENOPS, Ltd <i>Organizers</i> Ošmera P., Šeda M., Dvořák J., Roupec J., Matousek R.
<b>2001</b>	<b>5th International Conference Modern Technologies in Manufacturing MTeM 2001:</b> Assembly and disassembly, CIM, Cold Metal forming technologies, Concurrent Engineering, Ecological Design, Flexible Manufacturing Systems, Industrial Automation, Nonconventional technologies, Rapid Prototyping, Quality Assurance, Robotics <i>Date &amp; Place</i> 4-6th October 2001, Cluj-Napoca, Romania <i>Organized by</i> Technical University of Cluj Napoca, Faculty of Machine Building, DAAAM International Vienna, S.C. Fortpres Cluj-Napoca, S.C. Plastor Oradea, AGIR- General Association of Engineers from Romania <i>Organizer</i> Gyenge C. (Chair) et all. <i>Proceeding</i> ISBN 973-85354-1-7 <i>Editor</i> Gyenge, C[saba]
<b>2001</b>	<b>7th International Conference Maintenance 2001</b> <i>Date &amp; Place</i> 25-26th June 2001, Opatija, Croatia <i>Organized by</i> Croatian Maintenance Society <i>In cooperation with</i> DAAAM International Vienna, Union of Croatian Engineers <i>Organizers</i> Ivančić I., Cala I., Frković D., Sacevic T., Podgorčić D., Madžarević P., Kristovic D., Poljak K., Kudelić, R., Ugarković Ž., Susanj B., Pavlovic A.
<b>2001</b>	<b>7th International Conference on Soft Computing: MENDEL 2001:</b> Evolutionary Computation, Genetic Programming, Fuzzy Logic, Rough Sets, Neural Networks, Fractals, Bayesian Methods <i>Date &amp; Place</i> 6-8th June 2001, Brno, Czech Republic <i>Organized by</i> Brno University of Technology, Faculty of Mechanical Engineering, Institute of Automation and Computer Science; DAAAM International Vienna, Austria; Foundation for Advanced Information Technology GENOPS, Ltd <i>Organizers</i> Ošmera P., Šeda M., Dvořák J., Roupec J., Matousek R.
<b>2001</b>	<b>2nd International Conference Business Systems Management UPS 2001</b> <i>Date &amp; Place</i> 31st May - 2nd June 2001, Mostar, Bosna and Herzegovina <i>Organized by</i> University of Mostar Faculty of Mechanical Engineering, DAAAM International Vienna, Austrian Society of Engineers and Architects OEIAV-1848 <i>Organizers</i> Majstorovic V. (Chair), Katalinic B. (Chair), Covic D., Visekruna, V.

<i>Proceedings Editors</i>	ISBN 3-901509-26-7 Majstorovic, V[lado]; Katalinic, B[ranko]; Covic D[ragan] & Visekruna, V[oj]
<b>2000</b>	<b>6th International Conference Maintenance 2000</b> 19-20th June 2000, Opatija, Croatia Croatian Maintenance Society EFNMS - European Federation of National Maintenance Societies, DAAAM International Vienna, Union of Croatian Engineers Ivančić I., Čala I., et al.
<i>Date &amp; Place Organized by In cooperation with Organizers</i>	<b>5th International Conference on Soft Computing: MENDEL 2000:</b> Evolutionary Computation, Genetic Programming, Fuzzy Logic, Rough Sets, Neural Networks, Fractals, Bayesian Methods 7-9th June 2000, Brno, Czech Republic Brno University of Technology, Faculty of Mechanical Engineering, Institute of Automation and Computer Science; DAAAM International, Vienna, Austria; Foundation for Advanced Information Technology GENOPS, Ltd Ošmera P., Šeda M., Dvořák J. ISBN 80-214-1609-2
<i>Date &amp; Place Organized by Under the auspices of In cooperation with Organizers Proceedings Editors</i>	<b>2nd International Conference on Industrial Engineering – Activities Targeted to SME</b> 27-29th April 2000, Tallinn Technical University, Estonia Tallinn Technical University - Department of Machinery, DAAAM Estonia, DAAAM International Vienna DAAAM International Vienna Baltic Rector's Council; Association of Estonian; Mechanical Engineers, Federation of Estonian Engineering Industries Kytner R. (chair) Katalinic B., Kulu P., Papstel J., Reedik V., Riives J. ISBN 9985-894-21-9 Papstel, J[yril] & Katalinic, B[ranko]
<b>1999</b>	<b>District Heating Control '99 – Control of Extensive Heating Systems</b> 26-27th October 1999, Zlin, Czech Republic Brno University of Technology, Faculty of Technology in Zlin; Czech Power Plants – Ltd.; Association for District Heating of Czech Republic; EUROHEAT & Power, Unichal – Brussels; DAAAM International, Vienna, Austria; DAAAM - Czech Republic Balaté J., Vasek V., Vachutova I., Sysala T. ISBN 80-214-1461-8
<i>Date &amp; Place Organized by Organizers Proceedings</i>	<b>5th International Conference on Soft Computing: MENDEL '99:</b> Evolutionary Computation, Genetic Programming, Fuzzy Logic, Rough Sets, Neural Networks, Fractals 9-12th June 1999, Brno, Czech Republic Technical University Brno, Faculty of Mechanical Engineering, Institute of Automation and Computer Science; DAAAM International, Vienna, Austria; Foundation for Advanced Information Technology GENOPS, Ltd Ošmera P., Šeda M., Dvořák J. ISBN 80-214-1131-7
<i>Date &amp; Place Organized by In cooperation with Organizers Proceedings Editors</i>	<b>5th International Conference Maintenance 99</b> 7- 8th June 1999, Opatija, Croatia Croatian Maintenance Society DAAAM International Vienna, EFNMS - European Federation of National Maintenance Societies Ivančić I., Poljak K., Ugarković Ž., Frković D., Podgorčić D., Madžarević P., Kuzmanić A. Kudelić, R. ISBN 953-97615-1-4 Ivančić I[van] & Čala I[vo]
<b>1999</b>	<b>XXIV<sup>th</sup> Seminary ASR 2000: Instruments and Control</b> 28th April 1999, Ostrava, Czech Republic VŠB - Technical University Ostrava, Faculty of Mechanical Engineering, Institute of Automation Equipment and Control; DAAAM National - Czech Republic, Zlín, Czech Republic; IMECO - Czech National Committee; Committee of Applied Cybernetics and

<i>Organizers</i> <i>Proceedings</i> <i>Editors</i>	Information Technology Ostrava Farana R., Smutny J., Szlachta D., Fojtik D., Piechota H. ISBN 80-7078-774-0 Farana R., Smutny J., Szlachta D., Fojtik D., Piechota H.
<b>1999</b> <i>Date &amp; Place</i> <i>Organized by</i>	<b>XXII<sup>th</sup> Seminary ASR '99 : Computers on Measurements, Diagnostics and Control</b> 22nd May 1999, Ostrava, Czech Republic VŠB - Technical University Ostrava, Faculty of Mechanical Engineering, Institute of Automation Equipment and Control; DAAAM National - Czech Republic, Zlín, Czech Republic; IMECO - Czech National Committee Smutný L., Farana R., Vítecek A., Baláte J. ISBN 80-7078-666-3
<b>1998</b> <i>Date &amp; Place</i> <i>Organized by</i>	<b>3rd International Conference „ New Trends in Automation of Energetic Processes '98“</b> 19-20th May 1998, Zlín, Czech Republic Technical University Brno, Faculty of Technology in Zlín; Czech Power Company, Ltd. - CEZ, a.s.; Association for District Heating, Czech Republic; STU Bratislava, Faculty of Electrical Engineering and Information Technology; Slovak Power Plants, Ltd. - SE, a.s., Bratislava; DAAAM International Vienna, Austria; DAAAM National - Czech Republic Baláte J., Vasek V., Sysala T. & Co. ISBN 80-214-1094-9 Baláte J., Sysala T.
<b>1998</b> <i>Date &amp; Place</i> <i>Organized by</i>	<b>4th International Mendel Conference: MENDEL '98</b> on Genetic Algorithms, Optimization Problems, Fuzzy Logic, Neural Networks, Rough Sets 24-26th June 1998, Brno, Czech Republic Technical University Brno, Faculty of Mechanical Engineering, Institute of Automation and Information Technology; DAAAM International, Vienna, Austria; Foundation for Advanced Information Technology GENOPS, Ltd. Osmera P., Seda M., Simoník I. ISBN 80-214-1199-6
<b>1998</b> <i>Date &amp; Place</i> <i>Organized by</i>	<b>XXI<sup>th</sup> Seminary ASR '98 : Computers on Measurements, Diagnostics and Control</b> 22nd May 1998, Ostrava, Czech Republic VSB - Technical University Ostrava, Faculty of Mechanical Engineering, Institute of Automation Equipment and Control; DAAAM National - Czech Republic; IMECO - Czech National Committee Smutny L., Farana R., Vítecek A., Balate J. ISBN 80-7078-559-4
<b>1998</b> <i>Date &amp; Place</i> <i>Organized by</i>	<b>9th International Conference on Information and Intelligent Systems IIS'98</b> 23-25th September 1998, University of Zagreb, Faculty of Organization and Informatics Varazdin, Croatia University of Zagreb, Faculty of Organization and Informatics Varazdin & DAAAM International Vienna Aurer B., Katalinic B., Kero K., et. al. UDC: 007:681.3:651(082) Aurer B. & Logozar, R.
<b>1998</b> <i>On the occasion of</i> <i>Date &amp; Place</i> <i>Organized by</i> <i>Organizers</i> <i>Proceedings</i> <i>Editor</i>	<b>3rd National DAAAM Conference "Science '98"</b> 80 Years of Tallinn Technical University September 1998, Tallinn Technical University, Estonia DAAAM Estonia, Tallinn Technical University, Department of Machinery Papstel J. ISBN 9985-894-02-2 Papstel, J[yri]
<b>1997</b> <i>Date &amp; Place</i> <i>Organized by</i> <i>In cooperation with</i>	<b>4th International Conference Maintenance 97</b> 16-17th October 1997, Opatija, Croatia Croatian Maintenance Society DAAAM International Vienna, Croatian Academy of Science and Art, Zagreb EFNMS - European Federation of National Maintenance Societies

<i>Organizers</i> <i>Proceedings Editors</i>	Ivančić I., Čala I., Vidić J., Udljak T., Ugarković Ž., Širola D., Podgorčić D., Keser A. ISSN-1331-4114 Ivančić, I[van]
<b>1997</b>	<b>1st International Conference "Industrial Engineering - Actual Activities"</b> 25-27th September 1997, Tallinn Technical University, Tallinn, Estonia Tallinn Technical University - Institute of Machinery, DAAAM Estonia Tallinn, DAAAM International Vienna DAAAM International Vienna Baltic Rectors' Council, Association of Baltic Material Societies, Federation of Estonian Engineering Industries, Association of Estonian Mechanical Engineers Kulu P. (vice-chair), Kyttner R. (general chair), Papstel J.(vice-chair), Katalinic B., Kübarsepp J., Reedik V., Riives J. ISBN 3-901509-07-0 Papstel, J[yri] & Katalinic, B[ranko]
<b>1997</b>	<b>Proceedings of 1st International Conference Business System Management UPS'97</b> 26-27th September 1997, Mostar, Bosnia and Herzegovina Faculty of Mechanical Engineering of University of Mostar and DAAAM International Croatian Associations Austrian Association of Engineers and Architects OEIV 1848 and Vienna University of Technology Majstorovic, V[lado]; Katalinic, B[ranko]; Covic D[ragan] & Visekruna, V[oj]o and others ISBN 3-901509-06-02-X Majstorovic, V[lado]; Katalinic, B[ranko]; Covic D[ragan] & Visekruna, V[oj]
<b>1997</b>	<b>2nd International Conference "Enterprise in Transition"</b> 1700 Years of the City of Split 22-24th May 1997, Split - Brela, Croatia University of Split, Faculty of Economics, Split, Croatia; DAAAM International Vienna The Government of the Republic of Croatia, The Croatian Chamber of Economy, Bank of Zagreb Alfirevic N., Buble M., Derado D., Goic S., Katalinic B., Mijacika D., Pavic I. (Chair), Reic Z. (Secretary) ISBN 953-6024-14-4 Faculty of Economics, University of Split, Split DAAAM International Vienna
<b>1997</b>	<b>3rd International Mendel Conference on Genetic Algorithms MENDEL '97</b> 25-27th June 1997, Brno, Czech Republic Technical University of Brno, Faculty of Mechanical Engineering, Institute of Automation and Computer Science; DAAAM International Vienna; Foundation Advanced Information Technology; GENOPS, Ltd. Osmera P., Seda M., Simonik I.
<b>1996</b>	<b>The Second National DAAAM Conference SCIENCE '96</b> 1996, Tallinn, Estonia Tallinn Technical University - Estonia, DAAAM International Vienna Papstel J. & Co ISBN 9985-59-041-4 Papstel, J[yri]
<b>1996</b>	<b>2nd International Mendel Conference on Genetic Algorithms MENDEL '96</b> 26-28th June 1996, Brno, Czech Republic Technical University of Brno, Faculty of Mechanical Engineering, Institute of Automation and Computer Science; DAAAM Czech Republic & DAAAM International Vienna; Foundation Advanced Information Technology; AutoCont Brno Ltd. Computer Systems Osmera P. & Co. ISBN 80-214-0769-7
<b>1996</b>	<b>13th Conference BIAM '96</b> 18-20th June 1996, Zagreb, Croatia KoREMA, Croatian Society for Communications, Computing, Electronics, Measurement and Control, DAAAM International Vienna

<i>Organizer:</i>	Surina T., Vranjes B., Katalinic B., Jerbic B., Cosic P., Husic S., Kovacic Z., Kunica Z., Majetic D., Momcilovic D., Schauperl Z., Stambuk-Borsic N., Stefanic N., Udiljak T.
<i>Proceedings:</i>	ISBN 953-6037-12-2
<b>1996</b>	<b>Nanotechnologie - Nanometrologie</b>
<i>Date &amp; Place:</i>	26th April 1996, Brno, Czech Republic
<i>Organisation:</i>	Technical University of Brno, Faculty of Mechanical Engineering, Vienna University of Technology; DAAAM Czech Republic
<i>Organizer:</i>	Osanna, P. H.; Svejcar, J.; Vackar, J. & Skopal, M.
<b>1996</b>	<b>Rechenmaschinen in Messungen, Diagnostik und Steuerung</b>
<i>Date &amp; Place:</i>	18th April 1996, Ostrava, Czech Republic
<i>Organisation:</i>	Technical University of Ostrava TU-VSB, KAKI Ostrava, DAAAM Czech Republic, IMECO Czech Republic
<i>Organizer:</i>	Smutny L., Farana R., Vitecek A.
<b>1995</b>	<b>„New Trends in the Automation of Energetical Processes“</b>
<i>Date &amp; Place:</i>	17-18th May 1995, Zlin, Czech Republic
<i>Organisation:</i>	TU-Brno / FT-Zlin, KART, DAAAM Czech Republic & DAAAM International Vienna, and others
<i>Organizer:</i>	Balate J., Janacova J., Kubalcik M., Sysala T., Neumann P., Vasek V.
<i>Proceedings:</i>	ISBN 80-214-0654-2

## DAAAM & CEEPUS JEP

**Actual Project: HR-108 CEEPUS Project "Concurrent Product and Technology Development - Teaching,**

**Research and Implementation of Joint Programs Oriented in Production and Industrial Engineering"**

**Network Co-ordinator: Zlatan Car - University of Rijeka**

<i>Project Code:</i>	<b>HR-108</b>
<i>Project Duration:</i>	<b>2006-</b>
<i>Project Coordinator:</i>	<b>Zlatan Car - University of Rijeka</b>
<b>2006/2007 Name:</b>	<b>Concurrent Product and Technology Development</b>
Project Partner 06/07	Department of Production Engineering, Faculty of Engineering, University of Rijeka, Rijeka, Croatia / Department of Production Engineering, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia / Institute of Production Engineering, Vienna University of Technology, Vienna, Austria / Department of Manufacturing Engineering, Budapest University of Technology and Economics, Budapest, Hungary / Department of Production Engineering, Faculty of Mechanical Engineering, Czech Technical University in Prague, Prague, Czech Republic / Department of Production Engineering, Faculty of Mechanical Engineering, University of Miskolc, Miskolc, Hungary / Institute of Mechanical Technology, Poznan University of Technology, Poznan, Poland / Department for Material Forming Technologies and Surface Engineering, University of Novi Sad, Novi Sad, Serbia / Department of Machining and Automation, Faculty of Mechanical Engineering, University of Žilina, Žilina, Slovakia / Department of Production Technologies and Systems, Faculty of Mechanical Engineering, University of Ljubljana, Ljubljana, Slovenia. <b>Barisic B[ranimir], Math M[iljenko], Katalinic B[ranko], Szalay T[ibor], Kreibich V[iktor], Varga G[yula], Legutko S[tanislaw], Planacak M[iroslav], Kuric I[van], Kuzman K[arl]</b>
Organizer 06/07	
<b>2007/2008 Name:</b>	<b>Concurrent Product and Technology Development</b>
Project Partner 07/08	Department of Production Engineering, Faculty of Engineering, University of Rijeka, Rijeka, Croatia / Department of Production Engineering, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia / Institute of Production Engineering, Vienna University of Technology, Vienna, Austria / Department of Manufacturing Engineering, Budapest University of Technology and Economics, Budapest, Hungary / Department of Production Engineering, Faculty of Mechanical Engineering, Czech Technical University in Prague, Prague, Czech Republic / Department of Production Engineering, Faculty of Technology, Tomas Bata University in Zlín, Zlín, Czech Republic / Department of Production

Organizer 07/08  <b>2008/2009 Name:</b> Project Partner 08/09	Engineering, Faculty of Mechanical Engineering, University of Miskolc, Miskolc, Hungary / Institute of Mechanical Technology, Poznan University of Technology, Poznan, Poland / Department for Material Forming Technologies and Surface Engineering, University of Novi Sad, Novi Sad, Serbia / Department of Machining and Automation, Faculty of Mechanical Engineering, University of Žilina, Žilina, Slovakia / Department of Production Technologies and Systems, Faculty of Mechanical Engineering, University of Ljubljana, Ljubljana, Slovenia. <b>Barisic B[ranimir]</b> , Math M[iljenko], Katalinic B[ranko], Szalay T[ibor], Kreibich V[iktor], Lukovics I[mrich], Varga G [yula], Legutko S[tanislav], Plancak M[iroslav], Kuric I[van], Kuzman K[arl].
Organizer 08/09	<b>Concurrent Product and Technology Development</b> Department of Production Engineering, Faculty of Engineering, University of Rijeka, Rijeka, Croatia / Department of Production Engineering, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia / Institute of Production Engineering, Vienna University of Technology, Vienna, Austria / Department of Manufacturing Engineering, Budapest University of Technology and Economics, Budapest, Hungary / Department of Machining and Assembly, Faculty of Mechanical Engineering, Technical University Ostrava, Ostrava, Czech Republic / Department of Production Engineering, Faculty of Mechanical Engineering, Czech Technical University in Prague, Prague, Czech Republic / Department of Production Engineering, Faculty of Technology, Tomas Bata University in Zlín, Zlín, Czech Republic / Department of Production Engineering, Faculty of Mechanical Engineering, University of Miskolc, Miskolc, Hungary / Institute of Mechanical Technology, Poznan University of Technology, Poznan, Poland / Department of Mechanical Technology and Metrology, Faculty of Mechatronics and Machinery Design, Kielce University of Technology, Kielce, Poland / Department for Material Forming Technologies and Surface Engineering, University of Novi Sad, Novi Sad, Serbia / Department of Machining and Automation, Faculty of Mechanical Engineering, University of Žilina, Žilina, Slovakia / Department of Production Technologies and Systems, Faculty of Mechanical Engineering, University of Ljubljana, Ljubljana, Slovenia. <b>Barisic B[ranimir]</b> , Math M[iljenko], Katalinic B[ranko], Szalay T[ibor], Cep R[obert], Kreibich V[iktor], Lukovics I[mrich], Varga G [yula], Legutko S[tanislav], Adamczak S[tanislaw], Plancak M[iroslav], Kuric I[van], Kuzman K[arl]

#### PAST DAAAM – CEEPUS Joint European Annual Projects

<b>Project Code:</b> <b>Project Duration:</b> <b>Project Coordinator:</b>	<b>A-104</b> <b>1999-2004</b> <b>Branko Katalinic - Vienna University of Technology</b>
<b>2003/2004 Name:</b> Project Partner 03/04	<b>Intelligent Manufacturing and Automation</b> Institute of Production Engineering, Vienna University of Technology, Vienna, Austria / Department of Manufacturing Engineering, Budapest University of Technology and Economics, Budapest, Hungary / Department of Manufacturing Engineering, Technical University of Cluj-Napoca, Cluj-Napoca, Romania / Department of Technology, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia / Department of Technological Devices and Systems, Faculty of Material Science and Technology Trnava, Slovak University of Technology Bratislava, Trnava, Slovakia / Institute of Production Engineering, University of Maribor, Maribor, Slovenia / Department of Environmental Studies and Process Control, Technical University of Kosice, Kosice, Slovakia / Department of Machine Technology, The Silesian University of Technology, Gliwice, Poland / Department of Production Engineering, Faculty of Engineering, University of Rijeka, Rijeka, Croatia / Institute of Mechanical Technology, Poznan University of Technology, Poznan, Poland <b>Katalinic B[ranko]</b> , Alpek F[erenc], Balic J[oze], Gyenge C[saba], Kosmol J[an], Legutko S[tanislav], Mikac T[onci], Velisek K[arol], Wessely E[mil], Udljak T[oma]
<b>Organizer 03/04</b>  <b>2002/2003 Name:</b> Project Partner 02/03	<b>Intelligent Manufacturing and Automation</b> Institute of Production Engineering, Vienna University of Technology, Vienna, Austria / Department of Manufacturing Engineering, Budapest University of Technology and

	Economics, Budapest, Hungary / Department of Manufacturing Engineering, Technical University of Cluj-Napoca, Cluj-Napoca, Romania / Department of Technology, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia / Department of Technological Devices and Systems, Faculty of Material Science and Technology Trnava, Slovak University of Technology Bratislava, Trnava, Slovakia / Institute of Production Engineering, University of Maribor, Maribor, Slovenia / Department of Environmental Studies and Process Control, Technical University of Kosice, Kosice, Slovakia / Department of Machine Technology, The Silesian University of Technology, Gliwice, Poland / Department of Production Engineering, Faculty of Engineering, University of Rijeka, Rijeka, Croatia / Department of Industrial Robotics, University of Applied Sciences - Fachhochschule Technikum - Wien, Vienna, Austria / Institute of Mechanical Technology, Poznan University of Technology, Poznan, Poland
Organizer 02/03	<b>Katalinic B[ranko]</b> , Alpek F[erenc], Balic J[oze], Gyenge C[saba], Kosmol J[an], Legutko S[tanislaw], Mikac T[onci], Stopper M[arkus], Velisek K[arol], Wessely E[mil], Udiljak T[oma]
<b>2001/2002 Name:</b> Project Partner 01/02	<b>Assembly Automation in Manufacturing Engineering</b> Vienna University of Technology, Budapest University of Technology and Economics, Silesian University of Technology, Slovak Technical University Bratislava / Trnava, Technical University Cluj-Napoca, Technical University of Kosice, University of Maribor, University of Zagreb
Organizer 01/02	<b>Katalinic B.</b> , Alpek F., Kosmol J., Velisek K., Gyenge C., Wessely E., Balic, J., Jerbic B.,
<b>2000/2001 Name:</b> Project Partner 00/01	<b>Assembly Automation in Manufacturing Engineering</b> Vienna University of Technology, Slovak Technical University Bratislava / Trnava, Technical University Cluj-Napoca, Technical University of Budapest, Technical University of Kosice, University of Maribor, University of Zagreb
Organizer 00/01	Katalinic B., Velisek K., Gyenge C., Alpek F., Wessely E., Balic J., Jerbic B.
<b>1999/2000 Name:</b> Project Partner 99/00	<b>Assembly Automation in Manufacturing Engineering</b> Vienna University of Technology, Slovak Technical University Bratislava / Trnava, Technical University Cluj-Napoca, Technical University of Budapest, University of Maribor, University of Zagreb
Organizer 99/00	<b>Katalinic B.</b> , Velisek K., Gyenge C., Alpek F., Trzan F., Jerbic B.
<b>Project Code:</b>	<b>RO-01</b>
<b>Project Duration:</b>	<b>2002/2003</b>
<b>Project Coordinator:</b>	<b>Csaba Gyenge, Technical University of Cluj-Napoca</b>
<b>2002/2003 Name:</b> Project Partner	<b>Computer-Aided Systems for Manufacture and Measurement of Machine Elements</b> Department of Manufacturing Engineering / Technical University of Kosice, Department of Manufacturing Systems / University of Maribor, Faculty of Mechanical Engineering, Institute for Production Engineering / Poznan University of Technology, Faculty of Mechanical Engineering, Institute of Mechanical Technology / Kecskemet College, Faculty of Technology
<b>Project Code:</b>	<b>PL-1</b>
<b>Project Duration:</b>	<b>1995-2002</b>
<b>Project Coordinator:</b>	<b>Stanislaw Adamczak - Technical University of Kielce</b>
<b>2001/2002 Name:</b> Project Partner	<b>Computer-Aided Systems for Manufacture and Measurement of Machine Elements</b> Technical University of Kielce, Vienna University of Technology, University of Zilina, Faculty of Mechanical Engineering of The Technical University of Kosice, Faculty of Production Technologies of The Technical University of Kosice in Presov, University of Maribor, Technical University of Ostrava, University of Zagreb, Technical University of Bratislava, Technical University of Prague, Technical University of Brno
Organizer	<b>Adamczak S.</b> , Osanna P. H., Obmascik M., Wessely E., Vasilko K., Cus F., Vrba V., Mahovic S., Janac J., Dvorak R., Vackar J.
<b>2000/2001 Name:</b> Project Partner	<b>Geometrical Surface Structure of Machine Parts. Constitution. Methods for Measurement and Evaluation. Influence on the Operational Capacity of Mating Elements</b> Technical University of Kielce, Vienna University of Technology, University of Zilina,

Organizer	Technical University of Kosice, University of Maribor, Technical University of Ostrava, University of Zagreb, Technical University of Bratislava, Technical University of Prague, Technical University of Brno <b>Adamczak S.</b> , Osanna P. H., Obmascik M., Wessely E., Cus F., Vrba V., Mahovic S., Janac J., Dvorak R., Vackar J.
<b>1999/2000 Name:</b> Project Partner	<b>Geometrical Surface Structure of Machine Parts. Constitution. Methods for Measurement and Evaluation. Influence on the Operational Capacity of Mating Elements</b> Technical University of Kielce, Vienna University of Technology, University of Zilina, Technical University of Kosice, University of Maribor, Technical University of Ostrava, University of Zagreb, Technical University of Bratislava, Technical University of Prague, Technical University of Brno
Organizer	<b>Adamczak S.</b> , Osanna P. H., Obmascik M., Wessely E., Cus F., Vrba V., Mahovic S., Janac J., Dvorak R., Vackar J.
<b>1998/1999 Name:</b> Project Partner	<b>Metrology in Quality Assurance Systems</b> Technical University of Kielce, Vienna University of Technology, University of Zilina, Technical University of Kosice, University of Maribor, Technical University of Ostrava, University of Zagreb, Technical University of Bratislava, Technical University of Prague, Technical University of Brno
Organizer	<b>Adamczak S.</b> , Osanna P. H., Obmascik M., Wessely E., Cus F., Vrba V., Mahovic S., Janac J., Dvorak R., Vackar J.
<b>1997/1998 Name:</b> Project Partner	<b>Metrology in Quality Assurance Systems</b> Technical University of Kielce, Vienna University of Technology, University of Zilina, Technical University of Kosice, University of Maribor, Technical University of Ostrava, University of Zagreb, Technical University of Bratislava, Technical University of Prague, Technical University of Brno
Organizer	<b>Adamczak S.</b> , Osanna P. H., Obmascik M., Wessely E., Cus F., Vrba V., Mahovic S., Janac J., Dvorak R., Vackar J.
<b>1996/1997 Name:</b> Project Partner	<b>Methods for Measurement and Assessment of Selected Geometrical Parameters of Machine Parts in the Aspects of Automation and Robotisation of Production</b> Technical University of Kielce, Vienna University of Technology, University of Zilina, Technical University of Kosice, University of Maribor, Technical University of Ostrava, University of Zagreb, Technical University of Bratislava, Technical University of Prague, Technical University of Brno
Organizer	<b>Adamczak S.</b> , Osanna P. H., Obmascik M., Wessely E., Cus F., Vrba V., Mahovic S., Janac J., Dvorak R., Vackar J.
<b>1995/1996 Name:</b> Project Partner	<b>Methods for Measurement and Assessment of Selected Geometrical Parameters of Machine Parts in the Aspects of Automation and Robotisation of Production</b> Technical University of Kielce, Vienna University of Technology, University of Zilina, Technical University of Kosice, University of Maribor, Technical University of Ostrava, University of Zagreb, Technical University of Bratislava, Technical University of Prague, Technical University of Brno
Organizer	<b>Adamczak S.</b> , Osanna P. H., Obmascik M., Wessely E., Cus F., Vrba V., Mahovic S., Janac J., Dvorak R., Vackar J.
<b>Project Code:</b> <b>Project Duration:</b> <b>Project Coordinator:</b>	<b>RO-01</b> <b>1998/1999</b> <b>Csaba Gyenge, Technical University of Cluj-Napoca</b>
<b>1998/1999 Name:</b> <i>Project Partner</i>	<b>Development and Application of Environment-Friendly Technologies in Manufacturing Engineering</b> Technical University of Cluj-Napoca, Technical University of Budapest, University of Maribor, Technical University of Kosice, Technical University of Bucharest
	<b>Gyenge C.</b> , Alpek F., Balic J., Anna V., Iatan F.
<b>Project Code:</b> <b>Project Duration:</b> <b>Project Coordinator:</b>	<b>PL-1</b> <b>1998/1999</b> <b>Stanislaw Adamczak - Technical University of Kielce</b>



<b>1998/1999 Name:</b> <i>Project Partner</i>	<b>Metrology in Quality Assurance Systems</b> Technical University of Kielce, Vienna University of Technology, University of Zilina, Technical University of Kosice, University of Maribor, Technical University of Ostrava, University of Zagreb <b>Organizer</b> <b>Adamczak S., Osanna P. H., Obmascik M., Wessely E., Cus F., Vrba V., Mahovic S.</b>
<b>Project Code:</b> <b>Project Duration:</b> <b>Project Coordinator:</b>	<b>H-78</b> <b>1998/1999</b> <b>Alpek,F.</b>
<b>1998/1999 Name:</b> <i>Project Partner</i>	<b>Process Integrated Measurement Techniques and Methods for Quality Management</b> Technical University of Budapest, Vienna University of Technology, Cracow Institute of Technology, Slovak Technical University Bratislava, University of Maribor
<i>Organizer</i>	<b>Alpek F., Osanna H. P., Sostar A., Gawlik J., Kralik,M.</b>