



DAAAM International Week - 2017

The 28th DAAAM International Symposium Intelligent Manufacturing & Automation, 8-11 November 2017

11th European DAAAM International Young Researchers' and Scientists' Conference, 8-11 November 2017

6th DAAAM International Doctoral School, 5-12 November 2017

Synergy Network Annual Workshop

Activities of International Academy of Engineering, Central European Branch

Place: Hotel Kolovare, Zadar, Croatia

URL: <http://www.daaam.info> Email: secretary@daaam.info



FINAL PROGRAM

You can download this file at: <http://www.daaam.info> main homepage
Version_005

6th DAAAM International Doctoral School:

1. Sunday, 5 November 2017 arrival of Doctoral Students and Teachers (Hotel Kolovare)
2. First meeting of Doctoral Students and Teachers with Professor Katalinic, Date and time: Sunday, 5 November 2017 at 17:00 Place: Hotel Kolovare
3. Starts on Monday, 6th November 2017 at 10:00 hours, Hotel Kolovare
4. Tuesday, 7th November 2017, at 08:30: Photo Session (doctoral students, teachers and VIP). Place will be defined!
5. End of work: Friday, 10. November 2017
6. Saturday, 11th November 2017 departure of Doctoral Students and Teachers
7. All relevant information about Doctoral School you can find at: http://daaam.info/?page_id=5140

Synergy Network Activities*:

1. Tuesday, 7th November 2017 arrival of Participants
2. Starts on Wednesday, 8th November 2017
3. End of work: Friday, 10th November 2017
4. Saturday, 21st November 2017, departure of participants

Wednesday, November 8th

17:00 - 20:00	Registration (Place: Hotel Lobby)
18:30 - 20:00	Icebreaking Party (Place: At Swimmingpool)

*Synergy Network meeting 15:30 – 17:00 Hall D

Thursday, November 9th

08:30-10:00	Registration (Place: Hotel Lobby)				
10:00-10:30	Opening Ceremony (Hall A:) Welcome Address			<i>Music by Klapa Donat</i>	
10:30-12:00	Plenary Lectures (Hall A) <i>Kelvin Willoughby: "(What is)Technology"</i> <i>Branko Katalinic: Industry 4.0: Background, Aims, Trends, Strategies and Illusions</i>				
12:00-13:00	Lunch break - Coffee Break <i>Lunch is not included in the conference fee. Info about lunch possibilities will be available at registration desk. Particapants who stay in Hotel Kolovare getting free of charge Swedish Buffet lunch (during lunch time). Others can buy bon for lunch at registration at price 100.-HRK</i>				
13:00-16:30	Oral Presentations (Section A1 / Hall A1)	Oral Presentations (Section B1 / Hall B)	Oral Presentations (Section C1 Hall C)	(Section D1 Hall D) 14:00 – 17:30	(Poster Presentation Hall)
	Section defined and closed dpn67114_b_1_Kuts dpn35042_a_1_Rauker Koch dpn21646_a_1_Ziljak Grsic	Section defined and closed dpn67041_b_1_Malik dpn67041_b_2_Malik dpn34093_a_1_Vopat	PhD Research reports Start 15:00 hour	<i>“Young people on historical investigations”</i>	Preparation of Posters / Poster Section P1 / Evaluation of Posters / Best Poster Voting

	dpn27022_b_1_Seremet dpn17305_a_1_Andreev dpn64019_a_1_Kim dpn64009_b_2_Kuzmin dpn67069_a_1_Huynh	dpn67044_b_1_Zaujec dpn67019_b_1_Ojstersek dpn35281_b_1_Pletenev dpn35095_a_1_Masic dpn35095_a_2_Masic			
16:30-18:00	Privatissimum for Doctoral Students		Synergy Network Meeting - Hall B		
19:30-23:00	<i>Music by Klapa Donat</i>				
	DAAAM Dinner and Award Ceremony, (Certificates, Congratulations, Medals) of the 28th International DAAAM Symposium and 11th European DAAAM International Young Researchers' and Scientists' Conference (Place: Hotel Restaurant)				

Friday, November 10th

International Doctoral School: lectures, privatissimum, integration in Symposium and paper presentations			
	Oral Presentations (Section A2 / Hall A)	Oral Presentations (Section B2 / Hall B)	(Poster Presentation Hall – P2) Preparation of Poster
09:00-11:00	Section defined and closed dpn34373_b_1_Ivanov dpn67034_a_1_Vasiliev dpn67045_b_1_Milde dpn34177_a_1_Panfilov dpn67033_b_1_Mitin dpn64070_a_1_Cvetkovic dpn67046_a_1_Munteanu	Section defined and closed dpn17456_a_1_Park dpn67128_b_1_Baicu dpn18047_a_1_Karaulova dpn67125_b_1_Madhwal dpn60236_a_1_Medojevic dpn20665_a_1_Carutasu dpn20971_a_1_Carutasu	Poster section P2 / Best Poster Voting
11:00-12:00	Evaluation of Posters		

12:00-13:00	DAAAM International Doctoral School - Festo Plenary Lectures (Hall A) <i>Jan Bredau</i> <i>Elias Knubben</i>	
13:00-14:00	<i>Lunch break - Coffee Break</i>	
14:00-17:00	Closing Ceremony (Hall A:)	
	Festo Prize for Young Researchers and Scientists (will be given by Festo-TCI: Elke Winkl / Thomas Verberne) Festo Scholarships and Diplomas for International Doctoral School Students	
	Best Paper Awards Best Digital Photo Award (Photo related to last year 27th DAAAM 2016) Group Photo of Winners Inauguration of new members of International Academy of Engineering (<i>Jan Bredau / Elias Knubben / Stevo Stankovski</i>) DAAAM Jubilee Medal (<i>Marijan Sunjic</i>)	
19:00 - Open End	Presidents private invitation on the occasion of 65th Birthday VIP (Invited guests only!)	<i>Music by Tempo Band</i>

Saturday, November 11th

Cultural Program

Very Important:

**Papers without payment, and uncorrected papers will be removed from the program and will not be printed in the Proceedings.
List of papers will be changed!**

P1 Poster Hall

dpn17031_a_1_Zuev / dpn17031_a_2_Zuev / dpn17515_a_1_Buchmeister / dpn17851_a_1_Jakovic / dpn18062_a_1_Skocik / dpn18141_a_1_Janacova / dpn18344_a_1_Perutka / dpn18344_a_2_Perutka / dpn18378_a_1_Kramar / dpn18401_b_1_Kubinger / dpn18686_a_1_Bajric / dpn18702_a_1_Rados / dpn18812_a_1_Adamek / dpn18981_a_1_Kralik / dpn19074_a_1_Kralikova / dpn19074_a_2_Kralikova / dpn19106_a_1_Kremljak / dpn19746_a_1_Cohodar / dpn19857_a_1_Zhirabok / dpn19857_a_2_Zhirabok / dpn20482_a_1_Stuja / dpn20605_a_1_Kirsanov / dpn20866_a_1_Kadric / dpn21144_a_1_Matusu / dpn21287_a_1_Olt / dpn21287_a_2_Olt / dpn21317_a_1_Macku / dpn21482_a_1_Korbel / dpn21646_a_1_Ziljak Grsic / dpn21707_a_1_Navratil / dpn21932_a_1_Cekic / dpn22316_a_1_Gubankov / dpn22391_a_1_Hadziahmetovic / dpn22433_a_1_Vanova / dpn22968_b_1_Januska / dpn23031_a_1_Jenicek / dpn23185_a_1_Prysev / dpn23185_a_2_Prysev / dpn23186_b_1_Rakic / dpn23427_a_1_Crnokic / dpn24246_a_1_Kadric / dpn24475_a_1_Breido / dpn24556_b_1_Achsan / dpn24621_a_1_Vaskova / dpn26161_a_1_Fulemova / dpn26244_a_1_Rusko / dpn26244_a_2_Rusko / dpn26707_a_1_Hajdarevic / dpn32112_a_1_Hodzic / dpn32340_a_1_Kharin / dpn34028_a_1_Chval / dpn34083_a_1_Busuladzic / dpn34084_a_1_Bicova / dpn34094_a_1_Kuruc / dpn34096_a_1_Raz / dpn34103_a_1_Melichar / dpn34107_b_1_Zetkova / dpn34108_a_1_Zetek / dpn35197_b_1_Kubatova / dpn35256_b_1_Dana / dpn35305_b_1_Hanzl / dpn35306_a_1_Kroupa / dpn35306_a_2_Kroupa / dpn35307_b_1_Baksa / dpn35318_a_1_Konoplin / dpn35318_a_2_Konoplin / dpn35339_b_1_Polcar / dpn35418_a_1_Potekhin / dpn35499_b_1_Sklariks / dpn35523_a_1_Klobucar / dpn60101_b_1_Sedlacek / dpn60135_b_1_Hajicek / dpn60161_b_1_Polak / dpn60208_b_1_Kroft / dpn60208_b_2_Kroft

P2 Poster Hall

dpn21604_a_1_Pajaziti / dpn60250_b_1_Kuncar / dpn60250_b_2_Kuncar / dpn60294_a_1_Mikulova / dpn60301_a_1_Hajro / dpn64009_b_1_Kuzmin / dpn64018_b_1_Marek / dpn64027_b_1_Stekleins / dpn64027_b_2_Stekleins / dpn64075_b_1_Skovajsa / dpn64082_b_1_Gorbachev / dpn64099_b_1_Zatopek / dpn64103_a_1_Kropotin / dpn64111_a_1_Predovic / dpn64115_b_1_Jemelka / dpn64128_b_1_Martirosov / dpn64128_b_2_Martirosov / dpn67005_b_1_Deac / dpn67006_b_1_Deac / dpn67012_b_1_Savu / dpn67013_a_1_Costache (Stochitoiu) / dpn67016_a_1_Uran / dpn67022_b_1_Kharuzin / dpn67029_b_1_Reiter / dpn67036_b_1_Vekic / dpn67037_b_1_Nikolic / dpn67053_a_1_Pavlov / dpn67056_b_1_Srapek / dpn67058_a_1_Wesol / dpn67059_a_1_Tasic / dpn67060_a_1_Kulichenko / dpn67063_b_1_Valea / dpn67064_b_1_Tokic / dpn67074_b_1_Hruskar / dpn67075_a_1_Kobzev / dpn67078_b_1_Atiya / dpn67087_a_1_Kalendova / dpn67089_a_1_Merinska / dpn67090_b_1_Ermolaev / dpn67094_b_1_Farsky / dpn67095_b_1_Bricin / dpn67096_b_1_Smajdorova / dpn67097_b_1_Korolev / dpn67099_a_1_Noazar / dpn67101_b_1_Klos / dpn67105_b_1_Ficek / dpn67106_b_1_Bochinsky / dpn67109_b_1_Papa / dpn67110_a_1_Beltran Prieto / dpn67117_b_1_Solovyev / dpn67118_b_1_Kosterev / dpn67119_b_1_Musalek / dpn67120_b_1_Svingerova / dpn67122_b_1_Hronek / dpn67122_b_2_Hronek / dpn67123_a_1_Werler / dpn67127_b_1_Bele / dpn67135_b_1_Nosal / dpn67139_a_1_Muhamedagic / dpn67141_a_1_Pasic / dpn67142_a_1_Ajdin / dpn67145_a_1_Zmarzly / dpn67146_a_1_Wrzochal / dpn67148_a_2_Sergeev / dpn67149_a_1_Ryabchevskii / dpn67165_a_1_Malafeeva / dpn67166_a_1_Mishustin / dpn67166_a_2_Mishustin / dpn67167_b_1_Vratny / dpn67168_b_1_Kubelkova / dpn67178_a_1_Zharova

File Names

Title of Papers

dpn17031_a_1_Zuev: Design of a Consensus Based Flocking Control of Multiple Autonomous Underwater Vehicles Using Sliding Mode Approach
dpn17031_a_2_Zuev: Development of Fault Accommodation System for Actuators of Underwater Manipulators
dpn17305_a_1_Andreev: The Principle of Full Functionality – the Basis for Rapid Reconfiguration in Heterogeneous Modular Mobile Robots
dpn17515_a_1_Buchmeister: Implementation of Correlation Analysis to Work Sampling Results
dpn17851_a_1_Jakovic: Analysis of Websites in Event Management
dpn18047_a_1_Karaulova: Dissemination of Engineering Education at Schools and Its Adjustment to Needs of Enterprises
dpn18062_a_1_Skocik: Assessment of Shielding Effectiveness and Percolation Threshold of Composite Materials
dpn18141_a_1_Janacova: Mathematical Model of Washing of Filtration Cake
dpn18344_a_1_Perutka: New Computer Game in Matlab for Educational Purposes

dpn18344_a_2_Perutka: New Software Supporting Teaching of Simulink for Full-Time Curriculum
dpn18378_a_1_Kramar: Formation of Equivalent Models of Structured Multirate Systems in the Form of Signal Graph
dpn18401_b_1_Kubinger: Mobile Robot for Exploration and Manipulation Inside a Nuclear Power Plant
dpn18686_a_1_Bajric: A Comparison of Two Parameter Same Slope Seasonality and Holt-Winters Exponential Smoothing Models
dpn18702_a_1_Rados: Proposal for the Implementation of the European Rail Traffic Management System (ERTMS) to the Railway Network in the Republic of Croatia
dpn18812_a_1_Adamek: Object Recognition in Images
dpn18981_a_1_Kralik: Measuring of Friction Factor of Cutting Environment
dpn19074_a_1_Kralikova: Ekolabeling as Development Facilitator of the Environmentally Oriented Product Policy)
dpn19074_a_2_Kralikova: Possibilites of Using Kinect Sensor in Ergonomy
dpn19106_a_1_Kremljak: Economy of Biogas Plants
dpn19746_a_1_Cohodar: Dynamic Modelling of Mobile Robot Based on Its 3D CAD Model
dpn19857_a_1_Zhirabok: Fault Isolation in Technical Systems Based on Non-Parametric Method
dpn19857_a_2_Zhirabok: Human-Operator Behaviour Monitoring in It-Systems
dpn20482_a_1_Stuja: Functional Safety Concept for a Handling Robot Built on Optical Systems
dpn20605_a_1_Kirsanov: Service robots integrating software and remote reprogramming
dpn20665_a_1_Carutasu: Signage and Ergonomics in Packaging Systems
dpn20866_a_1_Kadric: Modeling Lead Time Demand in Continuous Review Inventory Systems
dpn20971_a_1_Carutasu: Romanian Roadmap for E-Call Technology Adoption and Future Developments of Emergency Systems
dpn21144_a_1_Matusu: Robust Stabilization of a Heating-Cooling System with a Heat Exchanger by Using Two Feedback Controllers: a Numerical-Graphical Analysis
dpn21287_a_1_Olt: Study into Movement of Wide Span Tractors /Vehicles Used for Controlled Traffic Farming
dpn21287_a_2_Olt: Determining the Load on Support Rollers the Pipe Conveyor Belt, Resulting from the Bending of the Belt, Upon the Elasticity Theory With a Non-Uniform Modulus
dpn21317_a_1_Macku: Influence of Online Identification Methods on the Nonlinear Process Control
dpn21482_a_1_Korbel: Delay Systems with Meromorphic Functions Design
dpn21604_a_1_Pajaziti: Design and Construction of a Modular Cost-Effective Cnc Machine
dpn21646_a_1_Ziljak Grsic: Hidden Information in Infrared Spectrum on Safety Clothes
dpn21707_a_1_Navratil: Designing an Application to Optimize the Calibration of Output Devices in a Digital Print Environment
dpn21932_a_1_Cekic: Analysis of Mechanical Properties of Alternative Materials for Process Fused Deposit Modeling
dpn22316_a_1_Gubankov: Method of Spatial Path Planning for Mobile Robot in Unknown Environment
dpn22391_a_1_Hadziahmetovic: Calculation of Air-Slide Conveyor
dpn22433_a_1_Vanova: Creating Corporate Culture in Context with Standards Iso 9001: 2015
dpn22968_b_1_Januska: Optimization of the In-Process Control Process Using Six Sigma Methods and Tools
dpn23031_a_1_Jenicsek: Stability of Retained Austenite in High-Strength Martensitic Steels During Cold Deformation
dpn23185_a_1_Prysev: Design The Contactless Charger And Contactless Data Transfer Between Underwater Robot- Satellites And Underwater 6-Legged Vehicle
dpn23185_a_2_Prysev: Technology Of Multi-Agent Control For Industrial Automation With Logical Processing Of Contradictions
dpn23186_b_1_Rakic: Internet of Things and Social Media: Tools of a Successful Information Organization
dpn23427_a_1_Crnokic: Comparison Ofenergy Consumptionparameters Obtained from the Energy Dynamic Model of the Building and Actual Energy Consumption Parameters
dpn17456_a_1_Park: Development of Technology for Improving Productivity and Quality of Injection Molding
dpn24246_a_1_Kadric: Energy Efficiency Assessment and Improvement Measures for Furniture Factory
dpn24475_a_1_Breido: Structure and Experimental Model of the Distributed System of Protection and Diagnostics of Support Structural Elements of High-Voltage Power Lines

dpn24556_b_1_Achsan: Ontology Enrichment for Multi-Domain Knowledge and Expertise Representation
dpn24621_a_1_Vaskova: Spectroscopic Measurement of Textile Fibres
dpn26161_a_1_Fulemova: Influence of Selected Technological Factors on the Hole Quality During Reaming
dpn26244_a_1_Rusko: Connectivity of Quality Management Systems and Environmental Management Systems
dpn26244_a_2_Rusko: Knowledge Managements as Some Basis for Competitiveness of Organization
dpn26707_a_1_Hajdarevic: Effect of Veneer Composition on the Stiffness and Stress of Laminated Wood
dpn27022_b_1_Seremet: European Swaption by Monte Carlo Estimation on Modern Intel Architectures
dpn32112_a_1_Hodzic: Regenerative Heat Treatment of Prolonged Exploited Heat Resistant Steel
dpn32340_a_1_Kharin: Visualization of the Structures of Complex Technical Objects on the Basis of Augmented and Virtual Reality Technologies Under Conditions of an Educational and Research Situation Center
dpn34028_a_1_Chval: Mechanical Forging Press for Progressive Working in Automatic Process
dpn34083_a_1_Busuladzic: Prediction of Wear of Woodworking Tools Depending of the Chip Thickness by Boundary Element Method Simulation
dpn34084_a_1_Bicova: Identification of Special Causes
dpn34093_a_1_Vopat: Cutting Edge Microgeometry and Preparation Methods
dpn34094_a_1_Kuruc: Influence of Ultrasonic Assistance on Delamination During Machining of Different Composite Materials
dpn34096_a_1_Raz: Influence of Gate Positon During Injection Molding Process
dpn34103_a_1_Melichar: Influence of Cmm Velocity on Scanning Precision
dpn34107_b_1_Zetkova: Evaluation of Metal Powder for Additive Manufacturing of Margaring Steel
dpn34108_a_1_Zetek: Influence of the Milling Cutter Diameter on the Cutting Tool Life When Machining Inconel 718
dpn34177_a_1_Panfilov: The Simulation-Based Smart Management Approach for Cellular Network Operation and Planning
dpn34373_b_1_Ivanov: Extracting Patent-Related Information from Online Social Networks: Case of Facebook
dpn35042_a_1_Rauker Koch: Fable Representation in Fnok and Dnok Formalisms Using the Nok Conceptual Framework
dpn35095_a_1_Masic: Dynamic Characteristics of the Electric Vehicle
dpn35095_a_2_Masic: Mobile Measurements of Particulate Matter Concentrations in Urban Area
dpn35197_b_1_Kubatova: Impact of Stylus Size in Roughness Measurement
dpn35256_b_1_Dana: Accuracy of Holes Created by 3D Printing (Dmls)
dpn35281_b_1_Pletenev: Organizing Intermodular Communication for Heterogeneous Modular Mobile Robot
dpn35305_b_1_Hanzl: A Comparison of Lattice Structures in Metal Additive Manufacturing
dpn35306_a_1_Kroupa: Unconventional Technology of Waterjet Cutting
dpn35306_a_2_Kroupa: Abrasive Waterjet Cutting
dpn35307_b_1_Baksa: Influence of Cutting Conditions on the Surface Quality and Grinding Wheel Wear During Cylindrical Grinding of Inconel 718
dpn35318_a_1_Konoplin: Method for Supervisory Implementation of Manipulation Operations by Underwater Vehicles
dpn35318_a_2_Konoplin: System for Cooperative Movements of Rov and Its Supporting Vessel
dpn35339_b_1_Polcar: Using Unity3D as an Elevator Simulation Tool
dpn35418_a_1_Potekhin: Main Principals and Issues of Digital Twin Development for Complex Technological Processes
dpn35499_b_1_Sklariks: Industrially Usable Numerical Calculation-Based Method for Estimating Residual Stress Due to Laser Cladding Refurbishment
dpn35523_a_1_Klobucar: Metrological Set-Up for Calibrating 1D Line Scales with Sub-Micrometre Precision
dpn60101_b_1_Sedlacek: Determination of Strength of Composite Integrated Joints Using Numerical Simulations
dpn60135_b_1_Hajicek: Simulation of Virtual Machine Tool During the Machine Design

dpn60161_b_1_Polak: Determination of Fdm Printer Settings with Regard to Geometrical Accuracy
dpn60208_b_1_Kroft: Specific Design of Critical Drivetrain Component
dpn60208_b_2_Kroft: The Effect of the Strategy of Finishing on Dimensional Accuracy
dpn60236_a_1_Medojevic: Determination and Analysis of Energy Efficiency Potential in Socks Manufacturing System
dpn60250_b_1_Kuncar: Differential Evolution as Calibration Technique for Three Axis Gyroscope
dpn60250_b_2_Kuncar: Inferring Productivity Factor for Use Case Point Method
dpn60294_a_1_Mikulova: Model for Critical Infrastructure Safety Management
dpn60301_a_1_Hajro: Mechanical Properties of Heat-Affected Zone of High-Strength Steel Welds
dpn64009_b_1_Kuzmin: Experimental Research of Rotation Transmission Device in High Ambient Hydrostatic Pressure Conditions
dpn64009_b_2_Kuzmin: Hydrodynamic Processes in Piston–Bore Interface of Axial Piston Swash Plate Machine
dpn64018_b_1_Marek: Thermal Simulations Based on Macro-Models
dpn64019_a_1_Kim: The Application of Artificial Vector Fields for Motion Control of a Heterogeneous Modular Mobile Robot
dpn64027_b_1_Stekleins: Vacuum Gauge Verification Methodology for Vacuum Coating Deposition Processes
dpn64027_b_2_Stekleins: Prediction of Sio2 Nano Coating Properties Using Fuzzy Logic
dpn64070_a_1_Cvetkovic: Enhancing the Agility and Performances of a Project with Lean Manufacturing Practices
dpn64075_b_1_Skovajsa: Determination Required Torsional Stiffness of Racing Car Frame with Numerical Simulation
dpn64082_b_1_Gorbachev: Technology for Automatic Soil Sampling by Manipulators Mounted on Underwater Vehicles
dpn64099_b_1_Zatopek: Dynamic Behaviour Comparison of Three Different Mathematical Model Complexities
dpn64103_a_1_Kropotin: Evaluation of the Method of Description Logics Implementation to Identify Semantic Conflicts and Inconsistency of Integrable Data
dpn64111_a_1_Predovic: Yarn Unwinding from Packages
dpn64115_b_1_Jemelka: Strategic Management and Multiplier Effect
dpn64128_b_1_Martirosov: Virtual Reality and Its Influence on Training and Education - Literature Review
dpn64128_b_2_Martirosov: Cyber Sickness in Virtual Reality - Literature Review
dpn67005_b_1_Deac: Using Augmented Reality in Smart Manufacturing
dpn67006_b_1_Deac: Machine Vision in Manufacturing Processes and the Digital Twin of Manufacturing Architectures
dpn67012_b_1_Savu: Mitigating Friction in Multicultural Virtual Organizations / Teams
dpn67013_a_1_Costache (Stochitoui): The Gap Between the Knowledge of Virtual Enterprise Actor and Knowledge Demand of Industry 4.0
dpn67016_a_1_Uran: An Impact of PLM Solution (On Product/Process Development) in Automotive Industry
dpn67019_b_1_Ojstersek: Use of Simulation Software Environments for the Purpose of Production Optimization
dpn67022_b_1_Kharuzin: Autonomous Control System for a Vehicle with Actively Articulated Frame
dpn67029_b_1_Reiter: Mechanical Functionalisation of Cutting Inserts by Machine Hammer Peening
dpn67033_b_1_Mitin: Control Deployment of Mobile Units of Large-Sized Spacecraft
dpn67034_a_1_Vasiliev: Design Concept of Lunar Rover for the Moon Geological Exploration
dpn67036_b_1_Vekic: Development of Innovation in Field of Precision Agriculture
dpn67037_b_1_Nikolic: Predictive Manufacturing Systems in Industry 4.0: Trends, Benefits and Challenges
dpn67041_b_1_Malik: Framework to Implement Collaborative Robots in Manual Assembly: a Lean Automation Approach
dpn67041_b_2_Malik: Generic Challenges and Automation Solutions in Manufacturing Smes
dpn67044_b_1_Zaujec: The Influence of Cam Strategies on the Tool Wear and Surface Roughness
dpn67045_b_1_Milde: Research of Abs and Pla Materials in the Process of Fabrication of Thin-Walled 3D Parts Using Fused Deposition Modelling Technology

dpn67046_a_1_Munteanu: Structural Optimization of Space Components Adapted for 3D Printing
dpn67053_a_1_Pavlov: Methods of Task Clinches Prevention in Software Applications for Real-Time Systems
dpn67056_b_1_Strapek: Comparison of Methods for Modelling Production Floor Layout – Classic Capturing Method and 3D Laser Scanning
dpn67058_a_1_Wesol: Gait Phase Recognition for Exoskeleton Control Using Adaptive Neuro Fuzzy Inference System
dpn67059_a_1_Tasic: Technological and Economical Aspects of Arc Welding of Al 5754
dpn67060_a_1_Kulichenko: A Study of the Possible Application of Heterogeneous Groups of Robots to Search for and Localization of Radiation Sources
dpn67063_b_1_Valea: Thermal Regime Aspects When Grinding Rubber Rolls for Paper Industry
dpn67064_b_1_Tokic: Analysis of Students' and Tram Drivers' Body Ratios in Order to Apply the Results During Control Panel Design in Cabs
dpn67069_a_1_Huynh: Robotic Machining Simulation Using a Simplified Multibody Model
dpn67074_b_1_Hruskar: Challenges of the Challengers: an Insight Into the Internationalization Pathway of Croatian Digital Agencies
dpn67075_a_1_Kobzev: Tracking System for Moving Object with Forecasting
dpn67078_b_1_Atiya: An Optimization Model for Integration of Sustainability Perspectives into Product Design and Manufacturing Processes
dpn67087_a_1_Kalendova: Changes of Pvc Nanocomposite Properties Connected with Clay Content
dpn67089_a_1_Merinska: Eva Copolymer/Clay Nanocomposite – the Influence of the Va Content Especially on Barrier Properties
dpn67090_b_1_Ermolaev: Methods of Evaluating Noise Pollution in the Megalopolis
dpn67094_b_1_Farsky: Influence of Grinding Conditions on Surface Quality and Accuracy When a Tool Grinder Is Used
dpn67095_b_1_Bricin: Abraded Surface Properties of Sintered Carbide Specimens Before and After Deposition of a Thin Layer Using Pvd
dpn67096_b_1_Smajdorova: Some Problems of Classical Shewhart Control Charts
dpn67097_b_1_Korolev: Modular Mobile Robotic Kit for Prototyping and Debugging of Control Algorithms
dpn67099_a_1_Noazar: How Expensive Is Quality? a Customer'S View on Additive Manufacturing
dpn67101_b_1_Klos: Classification of Automatic Controllers Diagrams
dpn67105_b_1_Ficek: Simulation and Modelling System for the Purposes of Crisis Management
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