

The Department of Industrial Engineering and Management at the Faculty of Technical Sciences in Novi Sad organizes a Scientific Conference on Industrial Systems engineering and management field of science and practice, once in three years, with the following goals:

- to bring together prominent researchers and practitioners from faculties, scientific institutes and different enterprises or other organizations,

- to enable presentation of new knowledge and exchange of practical experience in industrial systems engineering and management and

- to propose theoretically developed and practically tested solutions for manufacturing and business improvements achieved in the period between two conferences.

IMPORTANT DATES

Abstract Submission – 20 April 2020

Notification of Abstract Acceptance – 30 April 2020

Paper Submission Deadline – 15 June 2020

Notification of Paper Acceptance - 15 July 2020

Submission of Camera ready Papers – 1 September 2020

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All information about the Conference program and participation are available by:

Industrial Systems – IS'20

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University of Novi Sad
Faculty of Technical Sciences
Department of Industrial
Engineering and Management

IS20

18th International Scientific
Conference on Industrial Systems –
Industrial Innovation in Digital Age

www.iim.ftn.uns.ac.rs/is20

Novi Sad
October 7 - 9
2020

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VENUE

The Conference will be held in Novi Sad, Faculty of Technical Sciences, October 7 - 9, 2020.

TOPICS

Production Systems

- Effective Production Systems
- Industrial Products Design
- Manufacturing Processes Design
- Production and Service Processes Design
- Production Control and Management
- Industrial Systems Organization Technology
- Technological Structures Design
- Production Structures Design
- Industrial Production Systems Revival
- Simulation and Modeling of Production Systems
- Lean Manufacturing
- World Class Manufacturing
- Group Technology and Cellular Manufacturing

Mechatronics, Robotics and Automation

- Automation of Working Processes
- Industrial Robotics
- Non-Industrial Robotics and Automation
- Medical Robotics
- Development and Application of Mechatronic Systems
- AI and Intelligent Systems
- Internet of Things
- Material Handling Automation
- Automatic Identification Systems
- Digital Fluid Power
- Remote Engineering
- Augmented Reality Applications in Automation
- Industrial Network Protocols
- Computer - Integrated Production Systems

Information Management and Communication Systems

- Models, Methods and Techniques in Information Systems (Re)Engineering,
- Architectures and Platforms for Information Systems (Re)Engineering,
- Information Systems for Industry 4.0
- Digital Learning Environment,
- Database Systems – Theoretical, and Practical Aspects
- Data models, design, structures, semantics, query languages, and algorithms for data management
- Big Data and NoSQL Systems
- Information System Integration
- Information Systems Security
- CAE/CAD/CAM Systems in Industrial Engineering
- Software quality assurance and control
- Empirical research in software engineering
- E-Government Systems
- Business Information Systems
- ERP Systems and Their Applications
- Business Process Integration and Management
- Artificial Intelligence
- Data Mining and Machine Learning

Quality, Effectiveness and Logistics

- Quality Management Systems (ISO 9001, ISO 9004)
- Environmental Management Systems (ISO 14001, EMAS)
- Reliability and Effectiveness of Technical Systems
- Occupational Health and Safety Management System (ISO 45001)
- Maintenance
- Lean Maintenance
- Engineering Problem Solving
- Technical Diagnostics
- Logistic
- Green & Reverse Logistics
- E Logistics
- Operations Management
- Lean Logistics
- Six Sigma and Lean Six Sigma
- Supply Chain Management
- Customer Relationship Management

- Food Safety Management Systems (HACCP, ISO 22000, GlobalGAP)
- Information Security Management Systems (ISO 27001, ISO 27002, IASME)
- GDPR (EU) 2016/679 (General Data Protection Regulation)
- Risk Management (ISO 31000, ISO/TR 31004)
- Energy Management Systems (ISO 50001)
- Laboratory Accreditation (ISO 17020, ISO 17025)
- Integrated Management Systems

Engineering Management

- Management of Manufacturing and Service Processes
- Product Lifecycle Management - PLM
- Sustainable Development
- Technological Forecasting
- Corporative Strategies
- Marketing & Corporate Communication
- Industrial Entrepreneurship
- Technological Management
- Investment Management
- Project Management
- Human Resources Management
- Energy Management
- Corporate Restructuring
- Business Processes Automation
- Distance Learning and Virtual Teams
- Insurance Engineering and Management
- Media Engineering and Management
- Management of healthcare organizations

Belt & Road Initiative (BRI)

- The role of Central and Eastern Europe within BRI - Regional Perspective
- Social Media and E-commerce Connecting BRI
- Global Project Management Under BRI
- Quality Management, Logistics, Supply Chain Management and BRI
- The role of entrepreneurship and innovation within BRI
- Services industry and BRI
- Modern Education Technologies in BRI Development.

