



APMS 2020

International conference
Advances in Production Management Systems

August 30 – September 3, 2020

Novi Sad, Serbia

“The path to digital transformation and innovation of production management systems”

Honorary Co-chairs

Dimitris Kiritsis, EPFL, Switzerland

Dragutin Zelenovic,
University of Novi Sad, Serbia

Conference Chair

Bojan Lalic, University of Novi Sad, Serbia

Conference Co-Chair

Gregor von Cieminski, ZF, Germany

Program Chair

Vidosav Majstorovic,
University of Belgrade, Serbia

Program Co-Chair

David Romero, Tecnológico de
Monterrey, Mexico

Program Committee

Thorsten Wuest, West Virginia University,
USA

Paolo Gaiardelli, University of Bergamo,
Italy

Ilkyeong Moon, Seoul National University,
South Korea

Organizing Committee Chair

Ugljesa Marjanovic,
University of Novi Sad, Serbia

Doctoral Workshop Chair

Milan Delic, University of Novi Sad, Serbia

Advisory Committee

Farhad Ameri,
Texas State University, USA

Ilkyeong Moon, Seoul National University,
South Korea

Hermann Lödding, TUHH, Germany

Conference Secretariat

Department of Industrial Engineering and
Management

Trg Dositeja Obradovica 7

21000 Novi Sad, Serbia

Tel: +381(0)21-485-2149

Email: info@apms-conference.org

CONFERENCE WEBSITE

<http://www.apms-conference.org/>

OBJECTIVES AND SCOPES OF APMS 2020

APMS 2020 in Novi Sad, Serbia brings together leading international experts from academia, industry, and government in the area of production systems to discuss globally pressing issues in smart manufacturing, operations management, supply chain management, and Industry 4.0. The conference features several sessions filled with original, high-impact academic contributions, which will be published in the Springer Series ACIT and indexed on SCOPUS and Web of Science. Industrial viewpoints and insights will be shared through industry keynotes by world renowned industry leaders. High quality papers will be fast tracked to several peer reviewed archival journals, including Production Planning & Control (PPC) and International Journal of Production Research (IJPR). The conference is supported by the International Federation of Information Processing (IFIP) and is organized by the IFIP Working Group 5.7 on Advances in Production Management Systems which was established 1978.

CONFERENCE TOPICS

<p style="text-align: center;">Digital Supply Networks</p> <ul style="list-style-type: none"> • Artificial Intelligence and Blockchain Technologies in Logistics and DSN • Data-driven Manufacturing and Services Operations Management • Digital and Smart Supply Chain Management • Supply Chain Planning and Optimization • Intelligent Logistics Networks Management • Organization and Culture in Digital Supply Networks • Product-Service Systems in DSN • Strategies for Digital Supply Networks • Technology implementation in Digital Supply Networks 	<p style="text-align: center;">Sustainable Production Management</p> <ul style="list-style-type: none"> • Additive and Hybrid Manufacturing • Circular Products Design and Engineering • Circular, Green, Sustainable Manufacturing • Environmental and Social Lifecycle Assessments • Socio-Cultural Aspects in Production Systems • Sustainable Production Systems
<p style="text-align: center;">Data-driven Production Management</p> <ul style="list-style-type: none"> • Advanced Modelling, Simulation and Data Analytics in Production & Supply Networks • Cyber security and data protection in smart industries • Digital and Virtual Quality Management Systems • Manufacturing Systems Engineering: Agile, Flexible, Reconfigurable • Machine Learning and Artificial Intelligence • Novel Production Planning & Control Approaches • IIOT Interoperability 	<p style="text-align: center;">Smart Manufacturing & Industry 4.0</p> <ul style="list-style-type: none"> • 5G-enabled Manufacturing • Advanced, Digital and Smart Manufacturing • Connected, Smart Factories of the Future • Cyber-Physical Cognitive Systems • Cyber-Physical Production Systems and Digital Twins • Digital Assistance Systems: Augmented Reality and Virtual Reality • Industrial, Collaborative, Mobile and Software Robots • Intelligent Maintenance Systems
<p style="text-align: center;">Cloud and Collaborative Technologies</p> <ul style="list-style-type: none"> • Collaborative Design and Engineering • Cloud-Manufacturing • Circular, Green, Sustainable Manufacturing • Emerging Digital Manufacturing Platforms • Value Co-creation in Manufacturing and Service Systems 	<p style="text-align: center;">SPECIAL TOPICS</p> <p>In addition to the conference topics, a set of focused sessions are proposed and organized by the members of the scientific committee that addresses specific topics related to production management.</p> <p>Topics include:</p> <ul style="list-style-type: none"> • Experimental Learning in Industrial Management • Service Engineering • Asset Lifecycle Management • Lean Manufacturing • ETO Manufacturing



DOCTORAL WORKSHOP

Following the tradition of past APMS conferences, the 12th APMS Doctoral Workshop provides Ph.D. students with the opportunity to present and discuss their doctoral research and receive feedback and exchange ideas in an inspiring academic community of fellow Ph.D. students, experienced researchers and professors of the IFIP WG 5.7 community. The interested Ph.D. students are expected to submit a proposal up to 15 pages in length using the provided template.

IMPORTANT DATES

Special session proposal:
February 15, 2020

Submission of full papers:
March 15, 2020

Submission of Ph.D. research proposals:
March 20, 2020

Notification of review results (round 1):
April 30, 2020

Submission of revised papers:
May 31, 2020

Notification of review results (final):
June 15, 2020

Submission of camera-ready papers:
June 30, 2020

Conference dates:
August 30 – September 3, 2020

CONFERENCE SCHEDULE

30 | Doctoral Workshop
IFIP WG 5.7 Meeting
Welcome Reception
August

02 | Parallel Sessions
Research Workshop
Closing Session
Wine Tour
September

31 | Opening Sessions
Keynote Speech
Parallel Sessions
August

03 | Industry Tours
September

01 | Keynote Speech
Parallel Sessions
Gala Dinner
September

SUBMISSIONS

Authors are invited to submit papers (up to 8 pages) using the author guidelines provided by Springer. Selected papers from APMS 2020 will be invited to submit an extended version to well-known international journals such as the Production Planning & Control, International Journal of Production Research, International Journal of Industrial Engineering: Theory, Applications and Practice, and International Journal of Industrial Engineering and Management. Papers can be submitted through the conference website.

REGISTRATION

The registration includes the conference proceedings, industry tour, welcome reception, gala dinner, wine tour and lunches.

Early-bird registration (before or on July 15, 2020)

Regular €550

Student/retired €400

Guest €150 (gala dinner is included as well)

Late or on-site registration (after July 15, 2020)

Regular €650

Student/retired €500

Guest €200 (gala dinner is included as well)

VENUE

APMS 2020 will be held at the University of Novi Sad (UNS). University is located at the central campus on the left bank of the Danube, across the famous 18th century Petrovaradin fortress, and the walking distance from the city old town. Novi Sad, the city on the Danube, the city of European history and Balkan hospitality. It is the city of museums, galleries, and events such as EXIT Music Festival that has been awarded international rewards and that has acquired international recognizability. New creative energy brought about by youth groups and organizations has contributed, along with the already recognizable traditional platform, to turn Novi Sad into the European Capital of Culture 2021 and European Youth Capital 2019.

ACCOMMODATION

APMS 2020 can offer you discounted room rates at [Hotel Centar](#) located in the city center (walking distance to venue). About 50 rooms (twins or double) have been reserved at the conference rates and will be available on a first-come-first served basis. The reservation must be done by July 30, 2020. Detailed information on reservations for Hotel Centar and other hotels near UNS can be found in the conference website.

Published by:

