



APMS 2019

International Conference

Advances in Production Management Systems

September 1-5, 2019

Austin, Texas

Conference Chair

Farhad Ameri

Texas State University, USA

Conference Co-Chair

Dimitris Kiritsis

École polytechnique fédérale de
Lausanne, Switzerland

Program Chair

Kathryn Steck

University of Texas at Dallas, USA

Program Co-Chair

Gregor Von Cieminski

ZF Friedrichshafen AG, Germany

Program Committee

Albert Jones

National Institute of Standards and
Technology (NIST), USA

Boonserm Kulvatunyou

National Institute of Standards and
Technology (NIST), USA

Vital Prabhu

The Pennsylvania State University,
USA

Kathryn Steck

University of Texas at Dallas, USA

Gregor Von Cieminski

ZF Friedrichshafen AG, Germany

Thorsten Wuest

West Virginia University, USA

Scientific Committee Chair

Boonserm Kulvatunyou

National Institute of Standards and Technol-
ogy (NIST), USA

Organizing Committee Chair

Jesus Jimenez

Texas State University, USA

Advisory Committee

Dragan Djurdjanovic

University of Texas at Austin, USA

Gül E. Kremer

Iowa State University, USA

Ilkyeong Moon

Seoul National University, Korea

David Romero

Tecnológico de Monterrey, Mexico

Conference Secretariat

Engineering Informatics Lab
601 University Dr. RFM 2240 E
San Marcos, TX 78666
Tel: 512-245-1984

Objectives and scope of APMS 2019

APMS 2019 in Austin, Texas 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. Industrial viewpoints and insights will be shared through industry keynotes by world renowned industry leaders.

Conference Topics

Smart Supply Networks

Simulation of Large-scale Supply Chains
Blockchain Technology
Supply Chain & IIOT Interoperability
Manufacturing Services
Cloud Manufacturing
Supply Chain Planning and Optimization
Supply Chain Data Analytics

Collaborative Technology for Production Management

Collaborative Design
ICT for Collaborative Manufacturing
Collaborative Tools and Technologies
Knowledge Management
Blockchain Technology
Machine Learning Systems

Sustainability and Production Management

Green Manufacturing
Life Cycle Assessment
Sustainable Supply Chains
Eco-design in Manufacturing
Social and Cultural Aspects in Production
Management

Production Management Theory and Methodology

Agile and Flexible Manufacturing
Lean Manufacturing and Six Sigma
Just-in-time Manufacturing
Mass Customization
Zero-defect Manufacturing
Modeling and Simulation
Production Planning and Control

Smart Manufacturing & Industry 4.0

Cyber Physical Systems
Smart Factory and IoT
Virtual and Augmented Reality (VR/AR)
Big Data and AI Applications
Digital Twin
Digital Thread
Manufacturing Systems Interoperability
Data-driven Production Management
Human-Machine Interaction (HMI)
Intelligence Augmentation (IA) & Operator 4.0
Cognitive Systems

Special Topics

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.

Conference Website

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



Doctoral Workshop

Following the tradition of past APMS conferences, the 11th 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, 2019 |
| Submission of full papers | March 15, 2019 |
| Submission of Ph.D. research proposals | March 20, 2019 |
| Notification of review results (round 1) | April 30, 2019 |
| Submission of revised papers | May 31, 10, 2019 |
| Notification of review results (final) | June 15, 2019 |
| Submission of camera-ready papers | June 30, 2019 |
| Conference Dates | September 1-5, 2019 |

Submissions

Authors are invited to submit papers (up to 8 pages) using the author guidelines provided by Springer. Selected papers from APMS 2019 will be invited to submit an extended version to well-known international journals such as the Journal of Production Planning and Control.

Venue & Accommodation

APMS 2019 will be held at the Hilton Austin. Located adjacent to the Austin Convention Center, the Hilton Austin boasts 801 modern rooms and 80,000 s.f. of newly renovated meeting space. Just one block away from the Austin's famed 6th Street, the hotel embodies the taste, texture, and aesthetics of the "World Capital of Live Music".

For inquiries regarding the conference, please contact us at:
info@apms-conference.org

Conference Schedule

September 1st

Doctoral Workshop
IFIP WG 5.7 Meeting
Welcome Reception

September 2nd

Opening Sessions
Parallel Sessions
Keynote Speech

September 3rd

Parallel Sessions
Keynote Speech
Gala Dinner

September 4th

Parallel Sessions
Research Workshop
Closing Session

September 5th

Industry Tours



photo from WV Today