



# APMS 2012 International Conference

## Advances in Production Management Systems



24-26 September 2012 ■ Rhodes island - Greece

Competitive Manufacturing for Innovative Products and Services

### Call for Papers and Special Sessions

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For the last several years, APMS is a major event and the official conference of the IFIP Working Group 5.7 on Advances in Production Management Systems, bringing together leading experts from academia, research and industry.

APMS 2012 is looking for high quality contributions in key areas of Competitive Manufacturing, including Innovative Production Management Systems and Services, Enabling Technologies for Advanced Manufacturing, Enterprise Information Systems and Interoperability, as well as Sustainable and Energy-Efficient Production.

A **special sessions' call is now open** (see important dates), to raise visibility on topics of focused interest in a particular scientific or applications area. Special sessions proposals should be submitted by sending a 1-page summary to info AT apms-conference DOT org outlining the session objectives and topics, as well as details of the session organizers. Comprising a number of papers focussed on a specific theme, it's a great opportunity to address a topic with the right depth, giving it the proper visibility, and allowing also time for discussion and networking.

APMS could be an ideal venue for **research initiatives and projects to hold special sessions or workshops in their thematic area.**

**Extended abstracts** will be blind peer-reviewed, looking at both the academic as well as industrial value of the paper. Accepted papers of registered participants will be included in the Conference proceedings. Presented papers will be included in the Conference post-proceedings (book) published by Springer in the series titled **"IFIP Advances in Information and Communication Technology"** (IFIP AICT).

Authors will be asked to improve their final paper to be included in the Springer book after the Conference. A copy of the published book (edited by Springer) will be sent to the registered attendees. Selected papers will be considered for development into journal papers for a Special Issue in Production Planning and Control, as well in other journals.

APMS invites Ph.D. researchers to submit papers to be included in the **Doctoral Workshop**. Following the tradition of past APMS conferences, two types of awards have been planned for APMS 2012 participants:

- Burbidge Awards for Best paper and best presentation,
- Doctoral Workshop Award.

Regular and Special Session Papers and Doctoral Workshop contributions can be submitted using the on line system.

### Important Dates

<b>Call for Special Sessions:</b>	2 Mar 2012
<b>Approval of Special Sessions:</b>	12 Mar 2012
<b>Submission of Extended Abstract:</b>	30 April 2012
<b>Review Notification:</b>	8 June 2012
<b>Final Papers received:</b>	6 July 2012
<b>Registration deadline:</b>	15 July 2012
<b>Doctoral Workshops:</b>	22-23 Sep 2012
<b>IFIP WG5.7 meeting:</b>	23 Sep 2012
<b>Conference:</b>	24-26 Sep 2012



visit the APMS website <http://www.apms-conference.org>

# **APMS 2012 Topics**

**APMS 2012 is dedicated to Competitive Manufacturing for Innovative Products and Services, with the following topics (not limited to them):**

## **Advanced Design, Manufacturing & Production Management**

- Capacity Planning and Control
- Concurrent and Collaborative Engineering
- Closed loop design and closed loop economy
- Design for local and global consumers
- Design management
- Empirical Modelling and Simulation
- Global and International Production Networks
- Hybrid Products
- Industrial Engineering
- Lean Production
- Mass Customization
- Multidisciplinary Product Development
- Plant Location, Design and Layout
- Robotics in Manufacturing
- Smart Manufacturing
- Standardisation and Interoperability in Production Management

## **Asset Lifecycle Management**

- Dependability and Maintenance Availability
- E-Maintenance
- LCA Methods and tools
- Maintenance and Reliability
- Standardisation and Interoperability in Asset Lifecycle Management
- Total Productive Maintenance

## **Operations & Logistics**

- E-business and Operations
- Global operations management
- Inventory Management
- Operations Planning, Scheduling and Control
- Logistics
- Reverse logistics and product recovery
- Supply Networks and supply chain management

## **ICT & Enabling Technologies**

- Collaborative and social tools in Production and Asset Lifecycle Management
- Computational intelligence in manufacturing & production management
- Digital Production and Manufacturing
- Emerging Technologies in Product, Production and Asset Lifecycle Management
- Enterprise Information Systems & Interoperability
- ICT for Manufacturing, Services, Logistics and Production Management
- Linked Data in Products and Manufacturing
- Mobile and Wireless Technologies in Production and Asset Lifecycle Management
- Production Technology, Systems and Management
- Virtual Engineering & Manufacturing

## **Services**

- After-Sales Services
- Business Models for Services
- Design for Service
- Integrated product/service policy
- Product Service Systems in the business-to-business industry or in the business-to-consumer industry
- Product-service systems simulation
- Service Innovation, Management, Engineering, Operations and Strategies
- Service Chains
- Service Life-Cycle Management

## **Sustainability**

- Eco-design and Eco-innovation
- Energy Efficiency in Manufacturing
- Sustainable business models
- Green Supply Chain Management
- Green Manufacturing
- Resource Efficiency and Sustainability
- Smart design for sustainability
- Sustainability performance assessment, management and reporting
- Sustainable factory planning and scheduling
- Sustainability metrics
- Zero waste production

## **PLM**

- End-of-life strategies
- Closed loop PLM
- Information modeling and integration for PLM
- Metrics for PLM
- Reuse, remanufacture, disassembly and recycling approaches and techniques
- Standardisation and interoperability for PLM

## **Human Factors, Innovation, Quality & Knowledge Management**

- Health & Safety in Production and Asset Lifecycle Management
- Innovation Clusters
- Knowledge Management for Product & Services Innovation
- Product Development and Innovation
- Production Quality and Standards
- Social Enterprises
- Technology and Innovation Management
- Training in Production Management (incl. e-learning, social learning, Cases, Games, Contests, and Simulations)

## **Performance & Risk Management**

- Performance Measurement and Management
- Risk Management and Resilience