

SYMPOSIUM TRACKS

- **Design of Production Systems**, organisers and chairs : Ronald Askin (USA), Alexandre Dolgui (France), Anatoli Dashchenko (Russia), Genrikh Levin (Belarus), associated with IFAC TC 5.1 and IFAC TC5.2

Room: Large Conf-Hall

Sessions:

- Product Design and Process Planning (We-A1)
- Stochastic Models of Production Systems (We-C1)
- Line Design and Balancing (Th-A1)
- Facility Layout (Th-C1)
- Production System Design under Uncertainties (Fr-A1)
- Design of Reconfigurable Manufacturing Systems (Fr-C1)

- **Scheduling in Manufacturing Systems**, organisers and chairs : Alexander A. Lazarev (Russia), Vincent T'Kindt (France), Frank Werner (Germany)

Room: Small Conf-Hall

Sessions:

- Scheduling in Manufacturing – I (We-C2)
- Scheduling in Manufacturing – II (Th-A2)
- Scheduling in Manufacturing – III (Th-C2)
- Scheduling in Manufacturing – IV (Fr-A2)
- Scheduling heuristics (regular session) (Fr-C2)

- **Production Planning and Logistics**, chairs : Robert Grubbström (Sweden), Mohamed-Aly Louly (Saudi Arabia)

Room: Meeting Hall

Sessions:

- Decision Support Techniques (We-A3)
- Enterprise Resources Planning (We-C3)
- Models and Algorithms for Robust Production Planning, organizers: Najib M. Najid (France), El-Houssaine Aghezzaf (Belgium), (Th-A3)
- Heuristic and Metaheuristic Approaches (Fr-A3)
- Matheuristics in Production and Logistics, organizers: Anton Eremeev (Russia), Yuri Kochetov (Russia), Vittorio Maniezzo (Italy), Nenad Mladenovic (UK), (Fr-C3)

- **Supply Network Engineering**, chairs : Jean-Claude Hennet (France), Shimon Nof (USA), associated with IFAC TC5.1 and IFAC TC5.2

Room: Reading Hall

SECTION: *Design and Management of Flexible Supply Networks*, organisers and chairs: Dmitry Ivanov (Germany), Kurt Sandkuhl (Sweden), Alexander Smirnov (Russia)

Sessions:

- Flexible Supply Chain Configuration and Knowledge-Management (We-A4)
- Flexible Supply Chain Planning (We-C4)
- Supply Chain Agility and Adaptability (Th-A4)
- Flexible Contracting, Negotiations and E-Solutions in Supply Chains (Th-C4)

SECTION: *Performance and Risk Measurement*, organisers and chairs: Lamia Berrah (France), Yves Ducq (France), Agostino Villa (Italy)

- Market Responsive Supply Network, regular session, (Fr-A4)
- Supply Chain Performance and Risk Measurement (Fr-C4)

- **Flexible, Agile and Reconfigurable Manufacturing Systems**, chairs : Anatol Pashkevich (France), Theodor Borangiu (Romania), associated with IFAC TC5.1

Room: Auditorium 1

Sessions:

- Robotic systems (We-A5)
- Flexible Manufacturing Systems (We-C5)
- Telematics in Manufacturing Control (Th-A5)

- **Products and Services Engineering and Management**, chairs : Sergio Cavalieri (Italy), Marco Taisch (Italy), associated with IFIP WG 5.7

Room: Auditorium 1

Sessions:

- Advanced Methods and Techniques for Product-Service Engineering and Management, organizers: Sergio Cavalieri (Italy), Marco Taisch (Italy), IFIP WG 5.7, (Th-C5)
- Monitoring and Predictive Maintenance, organizers: Kondo H. Adjallah (France), Nidhal Rezg (France), (Fr-A5)
- Product Driven Systems, organizers: André Thomas (France), Damien Trentesaux (France), (Fr-C5)

- **Enterprise Integration and Networking**, organiser and chair : Hervé Panetto (France), associated with IFAC TC5.3

Room: Auditorium 2

Sessions:

- Interoperability Challenges in Enterprise System Engineering, organizers: Janusz Szpytko (Poland), Hervé Panetto (France), (We-A6)
- Enterprise Modelling for Interoperability in Collaborative Networked, organizers: David Chen (France), Arturo Molina (Mexico), We-C6
- Enabling Reuse in Enterprise Systems Engineering, organizers: Lawrence Whitman (USA), Marek Obitko (Czech Republic), (Th -A6)
- Requirements, Techniques and Opportunities for Engineering and Verification of Enterprise Information Systems, Vincent Chapurlat (France), Mickaël Petit (Belgium), (Th-C6)

Room: Auditorium 2

Individual Sessions:

- Product, Service and Process Oriented Approaches, (Fr-A6)
- Service-Oriented Cross-layer Infrastructure for Distributed Smart Embedded Devices, organizers: Christian Diedrich (Germany), Armando Walter Colombo (Germany), (Fr-C6)

- **Discrete Event Systems**, chairs : Hassane Alla (France), Valeriy Vyatkin (Australia), associated with IFAC TC5.1 and IFAC TC 1.3

Room: Auditorium 3

Sessions:

- Discrete Event Systems: Modeling, Performance Evaluation and Supervisory Control – I, (Th-A7)
- Discrete Event Systems: Modeling, Performance Evaluation and Supervisory Control – II, (Th-C7)
- Discrete Event Systems, regular session, (Fr-A7)

Room: Auditorium 3

Invited Session:

- Control, Identification, and Modeling of Complex Dynamical Plants, organizer: Yuri V. Mitrishkin (Russia), (Fr-C7)

- **Advanced Software Engineering in Industrial Automation**, organisers and chairs: Victor Dubinin (Russia), Kleanthis Thramboulidis (Greece), Valeriy Vyatkin (Australia), Alois Zoitl (Austria), associated with IFAC TC5.1

Room: Auditorium 3

Sessions:

- Advanced Software Engineering in Industrial Automation – I (We-A7)
- Advanced Software Engineering in Industrial Automation – II (We-C7)

Room: 307

Sessions:

- Advanced Software Engineering in Industrial Automation – III (Th-A8)
- Advanced Software Engineering in Industrial Automation – IV (Th-C8)

- **Probabilistic and Statistical Models in Industrial Plant Control**, organisers and chairs : Igor Nikiforov (France), Alexander Mandel (Russia)

Room: 307

Sessions:

- Probabilistic & Statistical Models in Industrial Plant Control – I (We-A8)
- Probabilistic & Statistical Models in Industrial Plant Control – II (We-C8)
- Probabilistic & Statistical Models in Industrial Plant Control – III (Fr-A8)
- Reliability and Safety of Industrial Systems, organizers: Oleg Oleg Zaikin (Poland), Vladymir Kulba (Russia), Boris Pavlov (Russia), (Fr-C8)