

# The future of Manufacturing and Logistics Systems

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Chair TC 5.3 Enterprise Integration and Networking  
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Vice Chairs

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## Selected Topics in TC5.3

- Integration and Interoperability of Human and Artificial Agents (e.g. Robots)
- Architectures and Environments for Enterprise Integration/Interoperability and Networking
- Integration and Interoperability of Cyber Physical Systems / Internet of Things Environments
- Automatic Control in Complex Adaptive Enterprise Systems
- (Semi-)Formal approaches to Enterprise Integration/Interoperability and Networking
- Industrial and Applied Research for Enterprise Integration / Interoperability and Networking
- Working groups along the process
- Connected machines as a service

## TC5.3 perspective on the Future

- Intelligent enterprise system-of-systems re-arranging production on the spot
- Connecting everything seamless – interoperability of everything from value chain down to shop floor
- Including systems like humans, machines, robots, software, products
- Continuously evolving to improve itself
- Environments for digital natives

## Cross-fertilization

- TC 5.1 Manufacturing Plant Control:
  - Enterprise Integration / Interoperability as Precondition for Plant Control
- TC 5.2 Manufacturing Modelling for Management and Control
  - Models are basic building blocks for Integration / Interoperability and Networking
- TC 5.4 Large Scale Complex Systems
  - Complex Adaptive Systems point of view

## EI2N

- 13th OTM / IFAC / IFIP International Workshop on Enterprise Integration, Interoperability and Networking
- <http://otmconferences.org/index.php/workshops/ei2n-2018>
- Abstract Submission Deadline: July 3rd
- Full Paper Submission Deadline: July 10th

## IEEE Intelligent Systems

- 9th international Conference on Intelligent Systems 2018
- <http://www.ieee-is2018.com>
- Full Paper submission 30th June 2018

### Organizers



### Technical Sponsors

