

# IBM Technologies for the Digital Enterprise

Bucharest, May 27-28, 2015

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## Call for participation

### Organizing Committee

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Radu Dobrescu,  
University Politehnica of Bucharest (UPB), Romania

#### Members:

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Octavian Stocklosa, East Electic, Romania  
Roxana Toader, IBM Romania  
Gabriela Varvara, TU "Gh. Asachi" of Ia i, Romania

### Scientific Partnership



### Main IBMTEC Sponsor



### Workshop Location

Conference Centre of Grand Hotel Continental,  
Bucharest, Romania

Address: 56, Victoriei Avenue, 010083, District 1,  
Bucharest, Romania

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The objective of this workshop is to organize a 2-day international academic meeting on **"IBM Technologies for the Digital Enterprise"** (the Digital, Contextual Enterprise of the Future), presenting the latest technologies and software tools developed by IBM, and which should be used today in the Manufacturing Value Chain (MVC) – integrating manufacturing structures, robotic workstations, supply chains and transport facilities. This Workshop is organized for teaching and research staff from engineering and business faculties of universities working close with IBM in higher education and scientific research.

The Workshop aims at presenting the main trends and challenges in the management and control of robotized manufacturing enterprises and integrated supply networks, and the methods, solutions, technologies and tools developed by IBM that can be used to solve these challenges: Cloud models; virtualization and optimal workload allocation in MES; big data for business analytics, optimization and predictive maintenance; SOA for Manufacturing Integration Framework (MIF) and QoS monitoring, mobile applications for Intelligent Products (IP), product-driven control; digital marketing; CRM and Supply Chain Management.

### Workshop Topics

- Complexity and Big Data in Computing-oriented Manufacturing
- Cloud Manufacturing
- Big Data Integration and Governance for the Enterprise
- Virtualization, Monitoring and Smart Resource Allocation in Cloud Manufacturing
- IBM Cloud Business Models
- Monitoring QoS in Cloud Manufacturing
- Business analytics and optimization in manufacturing decision management
- Predictive Analytics in Manufacturing Value Chain with IBM technologies
- Analytics applications development and integration with IBM Big Data platform
- Manufacturing Integration Framework with SOA governance
- The IBM Manufacturing Integration Framework concept and implementing issues
- IBM SOA governance for manufacturing enterprises

### Workshop Program

**May 27** TS 1: **Complexity and Big Data in Computing-oriented Manufacturing**  
TS 2: **Virtualization, Monitoring and Smart Resource Allocation in Cloud Manufacturing**

**May 28** TS 3: **Business Analytics and Optimization in Manufacturing Decision Management**  
TS 4: **Manufacturing Integration Framework with SOA Governance**