

# *ETFA2008\_SS\_05*

## **Invitation to the Special Session on**

# **Industrial Agents**

## **at the 13<sup>th</sup> IEEE International Conference on Emerging Technologies and Factory Automation**

**September 15-18, 2008, Hamburg/ Germany**  
**Conference web site: <http://www.etfa2008.org>**

The IEEE IES Technical Committee on Industrial Agents intends to provide a forum where researchers and application sector specialists can come together to continue the development and application of industrial agent technology in distributed production (supply chain manufacturing, assembly and continuous processes), services and infrastructure sectors.

The key drivers for this effort are the benefits of agent-based industrial systems, namely: robustness, scalability, re-configurability and productivity, all of which translate to a greater competitive advantage. The experience of some of the committee members showed that agent-based automation can enable a physical production line that would be scalable in production by 70% and has a 40% greater productivity. Similar opportunities exist in supply chains, service sectors and infrastructure systems.

This special session intends to contribute for stimulating the discussion of ideas, concepts, techniques, projects, based on the application of agents technology in industrial systems.

Contributions may be devoted to one or more of the following topics:

- Intelligent components and systems architecture;
- Self-organization in factory automation;
- Web-technology and Service-Oriented Architectures;
- Integration of complementary technologies, such as wireless networks and RFID;
- Agent-based collaborative networks;
- Agents in processes environments.

Particular attention may be given to the industrial applications of agent-based systems.

### **Authors' Schedule:**

Authors should contact the Special Session Organizers as soon as possible

Deadline for submission: **April 30, 2008**

Notification of papers acceptance: **June 1, 2008**

Final manuscripts due: **July 1, 2008**

### **Submission of Papers:**

Papers are to be submitted electronically. For further details please consult the conference web pages.

### **Session Organizers:**

Paulo Leitao, Polytechnic Institute of Bragança, Portugal, [pleitao@ipb.pt](mailto:pleitao@ipb.pt)

Armando W. Colombo, Schneider Electric, Germany, [armando.colombo@de.schneider-electric.com](mailto:armando.colombo@de.schneider-electric.com)