Meeting Opening

- Opening, welcome, introduction of invited guests
- Approval of the agenda
- Approval of the minutes
- Organized activities
- Contacts
- About “SPECIES-Production System Evolution”
**Agenda**

- SPECIES meeting opening - Prof. Tullio Tolio
- Working Group general framework - Prof. Tullio Tolio
- Analysis of an Industrial Case - Dr. Zeno Borsaro (Plant manager Riello Macchine S.p.A.)
- Integrating Product-Process Flexibility, Agility and Evolution - Prof. Luc Laperrière
- Centre for Research Based Innovation (CRI) on Manufacturing in Norway - Dr. Kristian Martinsen
- Coordination of Product Design and Production Planning in Supply Networks: the Case in Customized Mass Production - Prof. Vancza Jozsef
- Formalization of Information of Product, Process and Production Systems - Prof. Tullio Tolio
- Concluding remarks - Prof. Tullio Tolio

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**Organized activities: past events**

3rd INTERNATIONAL CONFERENCE ON DIGITAL ENTERPRISE TECHNOLOGY - SPECIES SPECIAL SESSION Setubal, Portugal, September 2006

1 KEYNOTE PAPER
6 PAPERS

**SP 1 - SPECIES – Production Systems Evolution**
Tullio Tolio, Politecnico di Milano, Italy

**SP 2 - Simulation of the Manufacturing Process, Generation of a Model of the Manufactured Parts**
Frédéric Vignat, François Villeneuve, France

**SP 3 - UML as a Basis to Model Autonomous Production Systems**
Bernd Scholz-Reiter, Jan Kolditz, Torsten Hildebrandt, Germany

**SP 4 - Process Analysis and Flexible Transfer Lines Configuration**
Massimo Rigamonti, Tullio Tolio, Italy

**SP 5 - Sequence Analysis of Finite Position Machine in Reconfiguration Manufacturing Systems**
Jesus Trujillo, Zbigniew Pasek, Enrique Baeyens, Spain

**SP 6 - Method for Integrated Design Using a Knowledge Formalization**
Alexandre Thibault, Ali Siadat, Régis Bigot, Patrick Martin, France
Organized activities: future events

**40th CIRP International Seminar for Manufacturing Systems**

LIVERPOOL 30 MAY - 1 JUNE 2007

Special Session in

40TH CIRP SEMINAR ON MANUFACTURING SYSTEMS

(Liverpool, UK, 30 May - 1 June 2007)

Chairman: Prof. K.B. Hon

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**4th International CIRP Conference on Digital Enterprise Technology**

19-21 September 2007, Bath, United Kingdom

Special Session in

4TH INTERNATIONAL CIRP CONFERENCE ON DIGITAL ENTERPRISE TECHNOLOGY

(Bath, UK, 19-21 September 2007)

Chairman: Prof. P.G. Maropoulos

Prof. S. T. Newman
CIRP Future Meetings

AGENDA

ABOUT “SPECIES-Production System Evolution”

ORGANIZED EVENTS

CIRP FUTURE MEETINGS

TOOLS

SPECIES
Production System Evolution

January 24, 2007
Paris, France

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2006

- 56th General Assembly, Kobe, Japan
- 2007 January Meeting, Paris, France
- 57th General Assembly, Dresden, Germany
- 2008 January Meeting, Paris, France
- 58th General Assembly, Manchester, UK
- 2009 January Meeting, Paris, France

2009

Tools - Web Site

http://www.species.polimi.it

Contacts

If you are interested in SPECIES-WG topics and you want to learn more information, feel free to contact us:

<table>
<thead>
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http://www.species.polimi.it
The Mission

The Mission is to investigate approaches, techniques and methods devoted to determine the most appropriate evolution strategy for a production system, grounding on knowledge about competitive environment changes, with a particular focus on evolving product and process characteristics.

Open Issues

- Characterization of evolution scenarios for products/processes and production systems (Scenario analysis);
- Formalization of information characterizing the link between products/process and production systems;
- Economical analysis of changeability and reconfigurability at a production system level (Protection of investments);
- Configuration/Reconfiguration planning under uncertainty;
- Influence of production system evolution on manufacturing strategy;
- Filling the gap between the inertia of production systems and the frequency of change of products/processes and manufacturing strategies (co-evolution).