

# CONFERENCE PROGRAM

(Note: not all session chairs have confirmed yet – a number of chairs might change)

## Wednesday October 23

**Wednesday 17.00 - 19.00**

**Room: D+E**

**Welcome Party**

**Wednesday 18.00 - 18:45**

**Room: D+E**

**Prof. Bernd Schmidt speaks on the occasion of Prof. Krug's 65th birthday**

Modelling of Human Behaviour: The PECS Reference Model

Bernd Schmidt .....13

**Wednesday 17.00 - 19.00**

**Room: D+E**

**Welcome Party for All Participants**

# CONFERENCE PROGRAM

## Thursday October 24

**Thursday 09.00 - 09.30**

**Room: A+B**

**Conference Opening (Plenary Session)**

**Session chair: Wilfried Krug**

Saxony - A Location for Science and Technology

Dipl. Volkswirt Christof Voigt, Head of the Technology Division of the Saxon State Ministry of Economic Affairs and Employment

Conference Opening

Wilfried Krug, ESS2002 Conference Chair

Alexander Verbraeck, ESS2002 Program Chair and ESS Conference Director

**Thursday 09.30 - 10.30**

**Room: A+B**

**Opening and Keynote Lecture Prof. Jay Lee (Plenary Session)**

**Session chair: Wilfried Krug**

Web-enabled and Tether-Free Augmented Modeling and Simulation Technologies for Next-Generation Product Design, Manufacturing, and Service

Jay Lee .....5

**Thursday 10.30 - 11.00**

**Break**

**Thursday 11.00 - 13.00**

**Room: A**

**Experimental design**

**Session chair: Eugene Kerckhoffs**

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Alessandra Frigato Bonello, Roberto Mosca, Sergio Pozzi Cotto.....44

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Gregory C. Ewing, Krzysztof Pawlikowski and Donald McNickle .....52

Initial Transient Period Detection using Parallel Replications

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**Thursday 11.00 - 13.00**

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**Session Simulation In Business, Economy and Finance (1)**

**Session chair: Vlatka Hlupic**

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Simulation and Knowledge Management: Separated but Inseparable? Vlatka Hlupic, Alexander Verbraeck, Gert-Jan de Vreede.....	193

**Thursday 11.00 - 13.00**

**Room: C**

**Session Simulation in logistics**

**Session chair: Edward Williams**

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**Thursday 11.00 - 13.00**

**Room: D**

**Session Simulation in Design**

**Session chair: David Al-Dabass**

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**Thursday 13.00 - 14.00**

**Lunch**

**Thursday 14.00 - 15.00**

**Room: A+B**

**Plenary Paper Krug/Wiedemann (Plenary Session)**

**Session chair: Alexander Verbraeck**

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**Thursday 15.00 - 15.30**

**Break**

**Thursday 15.30 - 17.00**

**Room: A**

**Agent based simulation**

**Session chair: Bernd Schmidt**

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**Thursday 15.30 - 17.00**

**Room: B**

**Session Simulation In Business, Economy and Finance (2)**

**Session chair: Vlatka Hlupic**

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**Thursday 15.30 - 17.00**

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**Session Port simulation**

**Session chair: Yuri Merkurjev**

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Hans P.M. Veeke, Jaap A. Ottjes, Alexander Verbraeck and Yvo Saanen .....221

**Thursday 17.00 - 19.00**

**Room: E**

**Meeting SCS European Conference Board**

**Informal Meeting SCS European Council Board**

# CONFERENCE PROGRAM

## Friday October 25

**Friday 08.30 - 09.15**

**Room: A+B**

**Plenary Paper Peter-Wolfgang Graeber (Plenary Session)**

**Session chair: Wilfried Krug**

Operational Systems for Water Management under Extreme Climatic Conditions  
Peter-Wolfgang Graeber .....24

**Friday 09.15 - 09.30**

**Small Break**

**Friday 09.30 - 11.00**

**Room: A**

**Component based simulation**

**Session chair: Edwin Valentin**

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**Friday 09.30 - 11.00**

**Room: B**

**Workshop Simulation In The Textile Industry (1)**

**Session chair: Vladan Koncar**

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**Friday 09.30 - 11.00**

**Room: C**

**Session Supply chain simulation**

**Session chair: Yuri Merkurjev**

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**Friday 09.30 - 11.00**

**Room: D**

**Special Session Climatic Conditions and Water Pollution**

**Session chair: Peter-Wolfgang Graeber**

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**Friday 09.30 - 11.00**

**Room: E**

**Simulation in Manufacturing (1)**

**Session chair: Richard Zobel**

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**Friday 11.00 - 11.30**

**Break**

**Friday 11.30 - 13.00**

**Room: A**

**Parallel simulation and HLA**

**Session chair: Alexander Verbraeck**

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**Friday 11.30 - 13.00**

**Room: B**

**Workshop Simulation In The Textile Industry (2)**

**Session chair: Vladan Koncar**

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**Friday 11.30 - 13.00**

**Room: C**

**Session Simulation in manufacturing logistics**

**Session chair: Sergio Pozzicotto**

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**Friday 11:30 - 13:00**

**Room: D**

**Workshop Simulation and Optimization**

**Session chair: Wilfried Krug**

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**Friday 11:30 - 13:00**

**Room: E**

**Session Simulation in Collaborative product engineering**

**Session chair: Eugene Kerckhoffs**

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Product Manufacturing Information (PMI) in 3D Models: A Basis for Collaborative Engineering in Product Creation Process (PCP) Patrick Andre and Roberto Sorito.....	348

**Friday 13.00 - 14.00**

**Lunch**

**Friday 14.00 - 15.30**

**Room: A**

**Simulation methodologies**

**Session chair: Graham Horton**

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**Friday 14.00 - 15.30**

**Room: B**

**Workshop Simulation In The Textile Industry (3)**

**Session chair: Vladan Koncar**

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**Friday 14.00 - 15.30**

**Room: C**

**Session Simulation in transport**

**Session chair: Rik van Landeghem**

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**Friday 14.00 - 15.30**

**Room: D**

**Simulation for wireless networks**

**Session chair: Carmen Bobeanu**

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**Friday 14.00 - 15.30**

**Room: E**

**Session Simulation tools**

**Session chair: Thomas Wiedemann**

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Yung-Hsin Wang and Yao-Chung Lu .....406

**Friday 15.30 - 15.45**

**Small Break**

**Friday 15.45 - 16.30**

**Room: A+B**

**Invited Speaker VW (Plenary Session)**

**Session chair: Wilfried Krug**

The Transparent Factory and its Role on Volkswagens Way in the Luxury Sector of the Car Market

Christian Clausen, Sales Director Volkswagen Transparent Factory, Dresden, Germany

**Friday 17.00**

**Visit to the VW Transparent Manufactory**

**Friday 19.00**

**Conference Banquet Dorint Hotel, Dresden**

**Friday 17.00 Excursion VW**

**Friday 19.00 Conference Banquet**

# CONFERENCE PROGRAM

## Saturday October 26

**Saturday 09:00 – 10:00**

**Room: A+B**

**Plenary Paper Richard N. Zobel (Plenary Session)**

**Session chair: Alexander Verbraeck**

Simulation for Security Provision, Attack Assessment and Profiling for Distributed Simulation Richard N. Zobel.....	19
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**Saturday 10.00 - 10.30**

**Break**

**Saturday 10.30 - 12.00**

**Room: A**

**Simulation interfaces**

**Session chair: Thomas Wiedemann**

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**Saturday 10.30 - 12.00**

**Room: B**

**Session Distributed simulation tools**

**Session chair: Simon Taylor**

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**Saturday 10.30 - 12.30**

**Room: C**

**Simulation in Manufacturing (2)**

**Session chair: Edward Williams**

Internet Services for the Simulation Aided Testing of Manufacturing Systems  
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An Agent Based Architecture for Solving Dynamic Resource Allocation Problems in  
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Job Sequencing Problem in a Semi-Automated Production Process  
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**Saturday 10.30 - 12.00**

**Room: D**

**Simulation in computers and telecommunication**

**Session chair: David Al-Dabass**

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**Saturday 10.30 - 12.00**

**Room: E**

**Numerical Simulation**

**Session chair: Carmen Bobeanu**

A New Paradigm for the Numerical Simulation of Stochastic Petri Nets with General  
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Numerical Simulation of the Blockage Effect in Wind-Tunnels  
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**Saturday October 26**

**Saturday 12.30 - 13.00**  
**Closing Session**

**Saturday 13.00**  
**Sightseeing**