

SIM 2001 Trade Fair Advisory Board

Robert Dinkelacker Hewlett-Packard GmbH, Böblingen, Germany
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• **Irene Pirker** Crossair AG, Freiburg i.Br., Germany
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• **Prof. Ulrich Trottenberg** Institute for Algorithms and Scientific Computing (SCAI), GMD, Sankt Augustin, Germany
• **Dr. Martin Walker** Compaq Computer EMEA, Annecy, France
• **Udo Weinmann** Fluent Deutschland GmbH, Darmstadt, Germany

Entrance Fees for SIM 2001 Trade Fair

One day ticket € 15.– Ticket for all days € 30.–

Fees for Conferences

The participation fees for the conferences are indicated in the conference programmes

Hotel Information

Reservations for hotels may be made on the internet. Please use the Trade Fair website (www.sim2001.com) and go „Online Registration“. You may also contact **Freiburg Incoming und Touristik (FIT); Tourismus Service GmbH** Yorckstraße 23 • D-79110 Freiburg, Germany
Tel: +49 761 885 81 45 • Fax: +49 761 885 81 49

Travel Information

Transportation by plane within Europe: The nearest airport is the EuroAirport Basel Mulhouse Freiburg. (EAP). The City of Freiburg is within easy reach of the airport within 45 minutes via a regular bus shuttle. Crossair provides direct flights from most European cities to the EAP. Special rates are available for visitors to SIM 2001. To benefit from these special rates on Crossair you must book online via the Trade Fair website (www.sim2001.com) under „Online Registration“.

Transportation by plane from overseas: The most convenient destinations for flights from overseas are Frankfurt, Germany (≈ 2.5 h by train) or Zürich, Switzerland (≈ 1.5 h by train) or the EAP, Basel Mulhouse Freiburg (≈ 45 min by shuttle bus).

Transportation by train: Freiburg i.Br. is a regular stop for IC/ICE trains and can therefore be easily reached by train.

Local transportation: During SIM 2001 a special shuttle service is provided every 20 minutes between the Trade Fair Area and the main hotels and the railway station in Freiburg.

This programme is subject to changes

SIM 2001 Organisers

Löffler & Associates GmbH, Concept Engineering, Basel, Switzerland (info@sim2001.com) in co-operation with Messe Freiburg GmbH & Co. KG, Germany (info@messe-freiburg.de).



Exploiting the use of simulation and visualisation in your product philosophy

SIM 2001®

Industrial Trade Fair for Simulation and Visualisation

SIM 2001 Sponsors and Co-operators



Date:

June 17–21, 2001

Place:

Freiburg i.Br., Germany

Organisers:

Löffler & Associates GmbH, Basel, Switzerland in co-operation with Messe Freiburg GmbH & Co. KG, Freiburg i.Br., Germany

Sponsors and Co-operators:

• ASIM • CD-adapco • Compaq • Crossair
• DaimlerChrysler • Fluent • GMD • HP • MSC
• NEC • SGI • SUN Microsystems • WUA-CFD

www.sim2001.com

Trade Fair Information

Introduction

New Trade Fair

Welcome to the International Industrial Trade Fair on Simulation and Visualisation. Simulation is a key technology for the manufacturing industry in the next decade. SIM 2001 is the answer to the needs of the new European market place in this field. At SIM 2001 you will see how important simulation technologies are for most future processes and product developments.

Conception and Supporters

SIM 2001 is a development of Löffler & Associates GmbH – Concept Engineering – in Switzerland and enjoys substantial support from major organisations: *Hardware Companies* (e.g. NEC, Compaq, HP, SGI, Sun Microsystems), *Software Vendors* (e.g. Fluent, MSC, CD-adapco), *Research Institutes and Organisations* (e.g. the German National Research Center for Information Technology, GMD, the IST-Programme of the European Union and the Arbeitsgemeinschaft Simulation, ASIM, Austria/Germany/Switzerland) support the establishment of SIM 2001 as the new European Market Platform. Their common goal is to push the competitiveness of the European Manufacturing Industry into a global lead position by promoting the efficient use of the new simulation and visualisation tools that are available.

Impact of Simulation and Visualisation

The impact of simulation and visualisation on all fields of manufacturing is rapidly becoming an important factor in the serious efforts of industry to achieve sustainable, efficient and cost-effective production. Simulation and visualisation have a key role to play in

- the strategic field: technological innovation, new products and new process technology, etc.
- the economic field: higher quality of products, faster time to market, more efficient product development, etc.
- the social field: simulation of risk management, traffic, efficiency in logistics, etc.

Special Importance of Simulation for SMEs

The globalisation of markets is having a dramatic influence on industrial production structures. Small and medium-sized enterprises will gain an increasingly important and leading role in the development of innovation. They are therefore one of the most important target groups for SIM 2001.

SIM 2001 Events

The **SIM 2001 Opening Reception** (*June 17, 2001*) will be held for all exhibitors and conference delegates. At this opening ceremony, two leading figures from politics and industry will speak on *the Reinforcement of the European High Tech Market*.

The **SIM 2001 Industrial Trade Fair** (*June 18–21, 2001*) is the international market place for applied simulation and visualisation. The hardware and software available, services and consultancy, as well as new technologies and applications for industry in the field of simulation (CFD, FEM, Moulding, Crash, Kinematics, Process Simulation, Robotics, Logistics etc.) and Visualisation tools (3D-Visualisation, Virtual Reality, etc.) will be presented.

The **SIM 2001 Conference** (*June 19, 2001*) *Strategic importance of simulation and visualisation for industry in the next decade* will engage outstanding speakers to talk on the state-of-the-art and future development of simulation and visualisation in different fields. The main issues of the morning plenary session (which will also include all delegates of the WUA-CFD-Conference) will be:

- virtual cooperation in the supply chain,
- open digital mock-up (DMU),
- security in digital networks, and
- portal architectures.

In the afternoon, typical and particularly good examples of visualisation and simulation will be discussed in parallel sessions in the following fields:

- life sciences industry (bioinformatics, chemistry, medicine),
- motive industry (cars, trains, aircrafts) and
- suppliers industry (materials, environment).

The **World Fluid Dynamics Days 2001** (*June 17-20, 2001*) *5th WUA-CFD-Conference in Applied Fluid Dynamics* are a response to the significant changes of attitude that have taken place in the last years with regard to the economic importance of engineering. By now it is evident that intelligent simulation and advanced visualisation can help to improve efficiency. After a decade of consolidation in the development of CFD tools, the lasting success of CFD will depend on economic advantage. The main focus of the 2001 conference will thus be the economic benefit of using CFD in everyday production processes. But a further crucial issue will also once again be the reliability and quality assurance of CFD tools and modeling approaches.

The **McLeod-Institute (MISS) Workshop** (*June 20, 2001*) *Modeling and Simulation in Education* has the primary goal at SIM 2001 of ensuring that human resources are developed and maintained at the highest possible level, which has implications for training and educational needs. These needs extend over the widest possible range, from introductory instruction to education about sophisticated state-of-the-art systems and technologies in modeling and simulation. Modern simulation techniques can make substantial contributions to the cost-effective delivery of the training needed to meet this broad spectrum of demand.

The **SIM 2001 Recruiting Day** (*June 20, 2001*) is planned to be the meeting point where professional engineers and postgraduate students in simulation and visualisation can get to know leading employers from industry and vice versa.

The **SIM 2001 Partnering Day** (*June 21, 2001*) is planned as an event where all target groups of SIM 2001 can meet a lot of people from different fields of simulation and visualisation all in one place at the same time. All visitors and exhibitors will come together to reflect on potential co-operative ventures and projects, to discuss guidelines for future development, and to look for possible partnerships.

Further information

SIM 2001 Exhibitors

are the vendors of relevant hardware and software and the industrial companies who will be there to present their services, consultancy, applications and significant results.

SIM 2001 Visitors

are people responsible for product development, engineers, applied scientists, leaders in development, and heads of technology management. SIM 2001 is of special interest for technical decision makers with SMEs.

Organiser's Office for the SIM 2001 Trade Fair and the SIM 2001 Conference

(Strategic importance of simulation and visualisation for industry in the next decade)

Löffler & Associates GmbH • „SIM 2001“
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Organiser's Office for the World Fluid Dynamics Days 2001

(5th WUA-CFD-Conference in Applied Fluid Dynamics)

WUA-CFD Secretariate
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Organiser's Office for the MISS Workshop

(Modeling and Simulation in Education)

McLeod Institute of Simulation Sciences (MISS) of the Society for Computer Modelling and Simulation International (SCS)
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