

EUROGRAPHICS '95

GRAPHICS • MULTIMEDIA
VIRTUAL REALITY

ARCHIEF BIBLIOTHEEK CWI - 14-12

CALL FOR PAPERS • TUTORIALS
STATE OF THE ART REPORTS • PANELS
DEMONSTRATIONS • SLIDE, VIDEO,
CD-I, CD-ROM COMPETITION



 Annual Conference of the European Association for Computer Graphics
Organized by  The Netherlands

FIRST ANNOUNCEMENT

CONFERENCE THEMES

New milestones in the performance of computing storage and communication have revitalized the fields of presentation and interaction technology. A new, highly competitive industry is emerging, creating new products in information generation and dissemination. Research and development in the areas of presentation and interaction have not previously worked so closely to the marketplace. The Eurographics event in Maastricht will provide a complete picture of this development through three independent streams of presentation:

COMPUTER GRAPHICS, MULTIMEDIA, VIRTUAL REALITY

Each stream will have tutorials, research papers, panels and state of the art reports. Attention will also be given to the connections among these themes. The extensive programme committee has the expertise to guarantee high quality in each of these streams.

You are invited to submit proposals for tutorials, research presentations, state of the art reports and panel sessions. Submissions of slides, videos and CD's will be selected for presentation as well as being judged in a prize-winning competition.

TUTORIALS

28-29 August 1995

The first two days of the event will be devoted to the tutorial programme. This will be structured to complement the main conference themes. Each tutorial will be given by leading international experts. Tutorials offered will be at both introductory and advanced levels, offering an excellent opportunity for professional development in the areas of computer graphics, multimedia, and virtual reality.

Each tutorial will occupy one full day and tutorial notes will be provided.

Provisional tutorial topics include

Introduction to Multimedia and Hypermedia • Multimedia Networking • Multimedia System Services • Distributed Multimedia Systems • Designing Multimedia Applications • Multimedia Electronic Publishing • Standards in Multimedia • Introduction to Virtual Reality Systems • Hardware and Software for VR • Advanced Tools and Techniques for Modeling VR Systems • Innovative Applications of VR • Human Factors of VR • Advances in Multi-Modal Interfaces • Scientific Visualisation tools and methods • Graphics in HPC environments

We welcome proposals for any additional tutorial topics. Please contact the tutorials chair at eg95-tut@cwil.nl or the conference secretariat before 3 October 1994.

CONFERENCE

30 August - 1 September 1995

The international programme committee will select the research papers and advise on the selection of panels and state of the art reports. They will be assisted by a large number of reviewers.

International Programme Committee Chairs

Martin Göbel (Fraunhofer Institute for Computer Graphics, Germany)

Frits Post (Delft University of Technology, The Netherlands)

International Programme Committee

Peter Bono (Fraunhofer Center for Research in Computer Graphics, Inc., US) • *Willem Bronsvort* (Delft University of Technology, The Netherlands) • *Pere Brunet* (Technical University of Catalonia, Spain) • *Steve Bryson* (NASA-Ames Research Center, US) • *Steve Carson* (GSC Associates Inc., US) • *Sabine Coquillart* (INRIA Rocquencourt, France) • *Morten Daehlen* (SINTEF, Norway) • *David Duce* (DRAL, UK) • *Peter Eglhoff* (De.Te.Berkom GmbH, Germany) • *José Encarnação* (TH Darmstadt, Germany) • *Bianca Falcidieno* (CNR, Italy) • *Steve Feiner* (Columbia University, US) • *Eugene Fiume* (University of Toronto, Canada) • *Eddy Flerackers* (University of Limburg, Belgium) • *Andrew Glassner* (Xerox Park, US) • *Mario Gomez* (INESC, Portugal) • *Hans Hagen* (University of Kaiserslautern, Germany) • *Paul ten Hagen* (CWI, The Netherlands) • *Ivan Herman* (CWI, The Netherlands) • *Wolfgang Herzner* (Austrian Research Centre Seibersdorf, Austria) • *Bob Hopgood* (DRAL, UK) • *Christoph Hornung* (Fraunhofer Institute for Computer Graphics, Germany) • *Roger Hubbard* (University of Manchester, UK) • *Hans Jense* (TNO-FEL, The Netherlands) • *Arie Kaufman* (State University of New York at Stony Brook, US) • *Lars Kjelldahl* (KTH-Royal Institute of Technology, Sweden) • *Stanislav Klimenko* (Institute for High Energy Physics, Russia) • *Martti Mäntilä* (Helsinki University of Technology, Finland) • *Isabel Navazo* (Technical University of Catalonia, Spain) • *William Newman* (Xerox EuroPARC, UK) • *Gregory Nielson* (Arizona State University, USA) • *Tomoyuki Nishita* (Fukuyama University, Japan) • *Kees van Overveld* (Eindhoven University of Technology, The Netherlands) • *Claude Puech* (IMAG, France) • *Werner Purgathofer* (Technical University of Vienna, Austria) • *Jarek Rossignac* (IBM T.J. Watson Research Center, US) • *Jiaoying Shi* (Zhejiang University, P.R. China) • *François Sillion* (IMAG, France) • *Luc de Simpeleere* (BARCO, Belgium) • *Mel Slater* (QMW University of London, UK) • *Wolfgang Straßer* (University of Tübingen, Germany) • *Daniel Thalmann* (Swiss Federal Institute of Technology, Switzerland) • *Carlo Vandoni* (CERN, Switzerland) • *Phil Willis* (University of Bath, UK) • *Jarke van Wijk* (ECN, The Netherlands)

STATE OF THE ART REPORTS AND PANELS

State of the Art (STAR) reports and panels will be presented in each of the three streams Computer Graphics, Multimedia, and Virtual Reality, in parallel with the paper sessions. The STAR reports will provide the current state of affairs in contemporary research and application areas and will be presented by leading international experts. The notes of the STAR reports will be provided.

Preliminary list of topics of STAR reports and panels:

Intelligent T.V. vs multimedia computer
Spatial audio in virtual reality
Advances in the algorithmical basis of virtual reality
Synthesizing multimedia data

Morphing
Constraint-based graphics
Distributed graphics
Computational steering
Computational geometry in graphics

We welcome concrete proposals for STAR reports and panels in these fields, as well as additional topics. Please contact the STAR reports chair at eg95-star@cwi.nl or the Conference Secretariat before 9 January 1995

RESEARCH PAPERS

Original papers may report research results, review new directions or address the integrations problems of the new media. Application experiences with controlled realities are also highly relevant, even if still at the experimental stage. The following list of suggested topics is given as a guide and should not be viewed as restrictive.

Computer Graphics

Animation, physical modelling • Application case studies • Colour and texture • Curve and surface modelling • Fundamental graphics algorithms • Geometric modelling • Graphical user interfaces • Graphics software and standards • Hardware, parallel and distributed architectures • High-quality rendering, ray tracing, radiosity • Illumination and optical modelling • Mathematical foundations, computational geometry • Scientific visualization

Multimedia

Information Systems • Integration • Object Oriented Technology • Editing and Authoring Tools • Presentation Standards • Multi-modal Interaction Techniques • Distributed Media Services

Virtual Reality

Computer supported communication and cooperative working (CSCW) • Virtual environments • Realtime simulation, interaction and visualization • Augmented reality • Coexistence in virtual worlds • Telepresence and -working

Instructions to authors

To submit a paper, send five copies with a cover sheet containing name, address, telephone, fax and, where available, electronic mail address of the person to whom correspondence should be addressed. This must arrive not later than 9 January 1995 at the conference secretariat:

Ms Anna Baanders, CWI, P.O. Box 94079,
1090 GB Amsterdam, The Netherlands
email: anna@cwi.nl, Fax: +31-20-5924199,
Tel. +31-20-5924048

Each paper should contain:

Title

Name(s) and Affiliation(s) of

Author(s)

Abstract: 250 words maximum, summarizing the content and findings of the paper

Keywords: indicating principal categorization of the paper

Text: 5000 words maximum, including diagrams, figures, tables and

Photographs: if not embedded in the text these should be clearly labelled with the corresponding figure number and title

References: giving full details, including page numbers for cited articles

Appendices should be avoided. Authors will be notified of acceptance or rejection by 13 March 1995. The final version of accepted papers will be required by 17 April 1995. Papers which have also been submitted to other conferences will not be accepted. Conference proceedings will be published and will be available at the conference.

From the papers selected and presented, an international jury will select the Best paper, and the author(s) will receive the Günter Enderle Award, which includes a cash prize of 1,000 Swiss Francs.

DEMONSTRATION ROOMS

Presentation methods and applications need to be experienced for proper evaluation.

Two demonstration rooms will be provided, one for multimedia and one for virtual reality. They will contain both invited existing professional applications, as well as experimental systems, proposed by developers. This call invites prospective demonstrators to submit either a virtual reality or a multimedia demo. We are interested both in tools and development environments and in (experimental) applications.

In addition there will be a demonstration facility for accepted contributions, hence there will be computer access available on which a timeslot can be reserved for demos. If you would like to demonstrate your work without having a technical contribution accepted then you can apply for this facility by sending an electronic two page (maximum) abstract and you will be informed about the acceptance of your proposal.

We welcome proposals for any of the above demonstrations. Please contact the demo chair at eg95-demo@cw.nl

INVITATION TO INDUSTRY

Eurographics'95 provides an excellent opportunity for industrial companies to expose their products and services in the areas of computer graphics, multimedia and virtual reality. Contact the organizing agency (eg95@cw.nl, fax +31-20-6758236, tel +31-20-6793218) for more information about possibilities for company presentations during EG'95.

FURTHER DETAILS

The advance programme will not be distributed as widely as this announcement. If you want to ensure you receive the programme, please return this slip to the EG'95 Conference Secretariat

- I want to receive the advance programme
- I intend to enter the slide, video, and CD competition
- I intend to submit a proposal for a demonstration during EG'95
- I intend to present my company at EG'95

Name _____

Affiliation _____

Department _____

Address _____

Postcode/Zip Code _____

City _____

Country _____

Mail to: Ms Anna Baanders
CWI
P.O. Box 94079
1090 GB Amsterdam
The Netherlands

scientific secretariat:

Ms Anna Baanders, CWI, P.O. Box 94079,
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general secretariat:

Lidy Groot Congress Events, P.O. Box 83005,
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Tel.: +31-20-6793218

Stamp
here

**Ms Anna Baanders
CWI
P.O. Box 94079
1090 GB Amsterdam
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28 August - 1 September 1995
Maastricht, The Netherlands

EUROGRAPHICS '95
GRAPHICS · MULTIMEDIA · VIRTUAL REALITY



SLIDE, VIDEO, CD-I and CD-ROM COMPETITION

Slides, videos, CD-ROM, CD-I and CD produced by computer graphics and animation techniques are requested. This competition is open only to works in which computation plays a prime role in the generation, not merely the manipulation, of the image(s).

The rules for use, copyright and origination set down by the Eurographics Association Conference Board apply. Videos must be submitted in either U-matic or VHS format.

The organizers take no responsibility for submissions that are unlabelled. Videos must have the name and contact details of the author on the recorded material, the cassette and the cassette box; slides must have the information on the mount. A fact sheet and brief description of the work must accompany submissions.

CONFERENCE VENUE

Maastricht is the capital of the southern-most province of the Netherlands, Limburg. Maastricht itself is a monumental city of Roman origin and is second only to Amsterdam on the list of tourist attractions in the Netherlands. The location of Maastricht, only a few kilometers from Belgium and Germany, and only a few hours drive from France and Luxembourg, gives it an international ambiance and a multicultural tradition. The European character is further strengthened by the recent settling of a great number of international institutions. The conference takes place at the Maastricht Exhibition and Congress Center (MECC).

The Center is an ultra-modern complex, providing excellent facilities and professional services for conferences, trade fairs, exhibitions, conventions and related events. MECC is only ten minutes from Maastricht Airport, which has direct flights to and from Amsterdam and London, providing excellent connections with international flights.

ORGANIZING COMMITTEE

Conference Co-Chairs

Josê Encarnaçao (Germany) Paul ten Hagen (The Netherlands)

International Programme Committee Chairs

Martin Göbel (Germany)

Frits Post (The Netherlands)

Tutorials

Graham Reynolds (The Netherlands)

STAR Reports and Panels

Remco Veltkamp (The Netherlands)

Demonstrations

Hans Jense (The Netherlands)

Paul ten Hagen (The Netherlands)

Slide, video and CD-competition

Henk Nieland (The Netherlands)

Graphics stream adviser

Jarke J. van Wijk (The Netherlands)

Multimedia stream adviser

Gerard Joubert (Germany/The Netherlands)

Virtual reality stream adviser

Eddy Flerackers (Belgium)

Secretary

Frans Snijders (The Netherlands)

Organizing agency

Lidy Groot Congress Events (The Netherlands)

CWI Conference administrator

IMPORTANT DATES

3 October 1994

tutorial proposals

9 January 1995

technical papers, state of the art reports and panels

13 March 1995

Notification of Acceptance or Rejection of Contributions

17 April 1995

Final version of accepted papers

Proposals for Demonstrations

15 May 1995

Slide, video, CD competition Entries

29 May 1995

Notification of Acceptance or Rejection of Demonstrations.

printed matter

sender:
Eurographics '95
c/o Lidy Groot Congress Events
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