

Newsletter 11

I received this new announcement from Jacques Andre; the topics of this series of conferences is also directly relevant to our field.

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CONFERENCE ANNOUNCEMENT _____RIDT94 _____EP94 _____PODP94 _____TEP94

WEPT is a week on electronic publishing and typography from Monday, April 11 to Friday, April 15, 1994. Two international conferences

_____RIDT94 Raster imaging and digital typography

_____EP94 Electronic publishing, document manipulation and typography

and two international workshops

_____PODP94 Principles of document processing

_____TEP94 Teaching electronic publishing and digital typography

are scheduled for the same week at the same place.

Tutorials are offered and may be visited by any participant. Registration to tutorials or workshops can be made independently of any conference

WEPT discusses the current research topics in electronic publishing. It brings people together who usually do not meet, although they work on related topics. The week will be held at the Lufthansa Training Center, at Seeheim, near Darmstadt, Germany, which will be the place for lectures, demos, conferences, meetings, and also for accommodation.

RIDT94 Raster imaging and digital typography

Monday, April 11 - Wednesday, April 13

RIDT94 will be the third in a series of international conferences organised to promote the exchange of novel ideas in the area of raster imaging and digital typography. The first two conferences in the series, RIDT89 held in Lausanne (Switzerland) and RIDT91 held in Boston (USA), mainly concentrated on the rasterisation of outline characters and on digital halftoning; RIDT94 will emphasise rendering and font quality.

PODP94 Workshop on principles of document processing

Monday, April 11 - Tuesday, April 12

PODP94 will be the second in a series of international workshops organised to promote the modelling of document processing systems using theories and tools from computer science, mathematics, etc. Areas of document processing presented in the first workshop in Washington, D.C. were document formatting, document conversion, document representation, document recognition, document retrieval, and hypertext, among others. For more information, please contact murata@wrc.xerox.com.

TEP94 Workshop on teaching electronic publishing and digital typography

Tuesday, April 12 - Wednesday, April 13

TEP is an EP workshop discussing the teaching of electronic publishing. Some curricula and courses are described in terms of the areas to be covered and also the experiences gained through running a course. More specific issues are addressed concerning methods of teaching with some examples of the types of projects engaged in and the skills that are acquired. The teaching of multimedia is focussed upon as a form of electronic publishing that presents its own challenges.

EP94 Electronic publishing, document manipulation and typography

Wednesday, April 13 - Friday, April 15

This conference will be the fifth in a series of international conferences organised to promote the exchange of novel ideas in the area of computer document manipulation. The first two conferences in the series, EP86 held in Nottingham, England, and EP88 in Nice, France, concentrated mainly on the specific aspects of electronic document production, from composition to printing. EP90, which took place in Washington, adopted a broader definition of the term Computer Assisted Publication, and accordingly, extended its range of topics to include hypertext and hypermedia systems, document recognition and analysis, and application of data-base techniques to document handling. EP92, held in Lausanne, Switzerland, confirmed the trend for documents to affect more and more areas in computer science; EP94 follows this

trend.

Conference Programmes

RIDT94 Conference Organisation

RIDT94 Chair: Jacques Andre, Inria-Rennes, France

Programme committee chair: Jakob Gonczarowski, Typographics, Israel

Global organisation: Elisabeth Lebet, Inria-Rennes, France

Programme committee members:

Debra Adams, ElseWare, USA
Jacques Andre, Inria-Rennes, France
Abdel Belaid, Inria-Nancy, France
Charles Bigelow, Stanford University, USA
Craig Cook, Phoenix Technologies, USA
William Cowan, University of Waterloo, Canada
Jim Flowers, Align, Inc., USA
Andre Guertler, AGS, CH
Yannis Haralambous, France
Roger D. Hersch, EPFL, CH
John Hobby, AT&T Bell Laboratories, USA
Mark Jamra, Hamburg, Germany
Peter Karow, URW, Germany
Hideko Kunii, Ricoh, Japan
Robert Morris, University of Massachusetts, USA
Avi Naiman, Hong Kong Univ. of Science and Technology
Yoshio Ohno, Keio University, Japan
Theo Pavlidis, Suny Stony Brook, USA
Richard Rubinstein, Cognitive Construction Co., USA
Stephen Schiller, Adobe Systems, USA
Juergen Schoenhut, AfG-FhG Darmstadt, Germany
Richard Southall, Rank Xerox Research Center, Cambridge, UK
Peter Stucki, University of Zuerich, CH
Robert Ulichney, Digital Equipment Corporation, USA

RIDT94 Programme

Monday, April 11, 1994

14.00 - 14.30 OPENING Session: Jacques Andre, Jakob Gonczarowski, Chairs

14.30 - 17.00 Session 1: Font modelling
Chair: John Hobby (AT&T Bell Laboratories)

14.30 Infinifont, a parametric font generation system
Clyde D. McQueen and Raymond Beausoleil (ElseWare, USA)

15.00 Coordinate-independent font description using Kanji as
an example
Martin Duerst (University of Zuerich, CH)

15.30 Coffee break

16.00 Parametrisation of PostScript fonts through Metafont
an alternative to Adobe+s multiple-master fonts
Yannis Haralambous (Lille, France)

16.30 Object-orientation and extensibility in a font scaler
Beat Stamm (SFIT Zuerich, CH)

17.00 -19.00 Round Table: The future of type
Chair: Debra Adams (ElseWare, USA)
Round Table: Fonts and privacy
Chair: Charles Bigelow (Stanford University, USA)

Tuesday, April 12, 1994

8.30 - 11.00 Session 2: Raster imaging and fonts
Chair: Roger D. Hersch (EPFL, Lausanne, CH)

8.30 Rasterising the outlines of fonts
Fiaz Hussain (De Monfort University, UK) and
Michael L. V. Pitteway (Brunel University, UK)

9.00 Variable-width splines: a possible font representation?
R. Victor Klassen (Xerox Webster, USA)

9.30 A curve fitting algorithm for character fonts
Koichi Itoh and Yoshio Ohno (Japan)

10.00 Digital halftoning with texture control - error diffusion
on adaptive raster
Thomas Scheermesser, Thomas Zegel, and Olof Bryngdahl
(University of Essen, Germany)

10.30 Dynamic regularisation of intelligent outline-fonts
Beat Stamm (Zuerich, CH)

11.00 Coffee break

11.30 - 12.30 Session 3: Readability and fonts
Chair: Avi Naiman (Hong Kong Univ. of Science and Technology)

11.30 Improving discrimination of symbols for display at low resolution
Mary Dyson (University of Reading, UK)

12.00 Performance differences between Times and Helvetica in a reading task
Rudi W. de Lange (Technicon OSF, South Africa)

14.00 - 15.30 Session 4: Character recognition
Chair: Robert Morris (University of Massachusetts, USA)
14.00 Optical font recognition from projection profiles
Abdelwahab Zramdini and Rolf Ingold (Fribourg, CH)

14.30 Analysing character shapes by string matching techniques

Jacky Herz (Open University, Jerusalem) and
Roger D. Hersch (EPFL, Lausanne, CH)

15.00 On improving recognition accuracy of text recognition systems using typographical constraints
Rene Sennhauser (CH)

16.00 - 22.00 Visit to Gutenberg Museum

16.00 Bus departure to Mainz

17.00 Visit of Gutenberg Museum (Dr. Wild)

18.30 Dinner 21.00 Bus departure to Seeheim

Wednesday, April 13, 1994

11:00 - 15:00 Common session with EP94 conference
Chair: Jacques Andre (Inria-Rennes, France)

11.30 Invited talk
Hermann Zapf, Darmstadt, Germany
About micro-typography and the hz-program

12.30 Keynote
R. F. de Bruine (Director, DG XIII/E,
Information industry and market and language processing,
Comission of the European Communities)

13.00 Lunch

14.00 Invited talk
Charles Bigelow and Kris Holmes, USA
The design of a Unicode font

15.00 End of RIDT programme

TEP94 Workshop

Programme committee chair: Mary Dyson, University of Reading, UK

Programme committee members:
Mary Dyson, University of Reading, UK
Jacques Andre, Inria-Rennes, France
David Brailsford, University of Nottingham, UK
Heather Brown, University of Kent at Canterbury, UK
Henri-Paul Bronsard, College du Vieux Montreal, Canada
Hans-Juergen Ehlers, Friedrich Alexander University, Germany
Richard Furuta, Texas A&M University, USA
Peter King, University of Manitoba, Canada
Roberto Minio, Pira, UK

Tuesday, April 12, 1994

14.00 - 15.30 Session 1: Curricula and courses
Chair: Heather Brown (University of Kent at Canterbury, UK)

14.00 Didot curriculum introduction
Richard Southall

14.30 Teaching electronic publishing at Oxford Brookes University
Caroline Davis (Oxford Brookes University, UK)

15.00 Progress in developing the discipline of electronic publishing
Shelagh Clayton, Gordon Davies (Middlesex University, UK),
and Peter Hammersley (City University, UK)

15.30 Coffee break

16.00 - 18.00 Session 2: Specific methods of teaching
Chair: Hans-Juergen Ehlers (Friedrich Alexander University, Germany)
16.00 Teaching desktop publishing in Bulgaria
Milena Dobreva (Institute of Mathematics, Sofia, Bulgaria)

16.30 Exploring the interaction between design and software
Mary Dyson (University of Reading, UK)

17.00 Teaching electronic publishing: Learning software engineering
Richard Jones and Ian Utting (University of Kent, UK)
17.30 Discussion

Wednesday, April 13, 1994

9.00 - 11.00 Session 3: Multimedia
Chair: Roberto Minio (Pira, UK)

9.00 Invited talk:
Philip Smith (CITE, UK)
Teaching design and production of interactive multimedia -
the European MA IMM

9.45 How we teach people to write and design for the hypermedia
Jean Clement (University of Paris, France)

10.15 Discussion

EP94 Conference Organisation

Programme committee chair: Vincent Quint (Inria-Rhone-Alpes, France)

Conference chair: Christoph Hueser (GMD-IPSI, Darmstadt, Germany)

Programme committee:

Debra Adams, ElseWare Corporation, USA
Jacques Andre, Inria-Rennes, France
Patrick Baudelaire, Digital Paris Research Laboratory, France
Richard J. Beach, Xerox Palo Alto Research Center, USA
Charles Bigelow, Stanford University, USA
David F. Brailsford, University of Nottingham, UK
Allen Brown, Xerox Corporation, New York, USA
Heather Brown, University of Kent, Canterbury, UK
Giovanni Coray, Swiss Federal Institute of Technology, Lausanne, CH
Hans-Peter Frei, Union Bank of Switzerland, CH
Richard Furuta, Texas A&M University, USA
Roger D. Hersch, Swiss Federal Institute of Technology, Lausanne, CH
Christoph Hueser, GMD-IPSI, Darmstadt, Germany
Rolf Ingold, University of Fribourg, CH
Brian Kernighan, AT&T Bell Laboratories, USA
Peter King, University of Manitoba, Canada
Dario Lucarella, University of Milan, Italy
Pierre MacKay, University of Washington, USA
Robert A. Morris, University of Massachusetts, Boston, USA
Marc Nanard, LIRMM, Montpellier, France
Richard Rubinstein, USA
Gerard Salton, Cornell University, Ithaca, USA
Christine Vanorbeek, Swiss Federal Institute of Technology,
Lausanne, CH
Hans van Vliet, Free University Amsterdam, The Netherlands
Jan Walker, Digital Equipment Corporation, USA

EP94 Program

Wednesday, April 13, 1994

11:00 - 15:00 Common session with RIDT94 conference
Chair: Jacques Andre (Inria-Rennes, France)

11.30 Invited talk
Hermann Zapf, Darmstadt, Germany
About micro-typography and the hz-program

12.30 Keynote
R. F. de Bruine (Director, DG XIII/E,
Information industry and market and language processing,
Comission of the European Communities)

13.00 Lunch

14.00 Invited talk
Charles Bigelow and Kris Holmes, USA
The design of a Unicode font

15.00 RIDT94 closing session
Jaques Andre, Jakob Gonczarowski

15.15 EP94 opening session Vincent Quint, Christoph Hueser

15.30 - 18.00 Session 1: Document manipulation techniques
Chair: Giovanni Coray (EPFL, Switzerland)

15.30 Separate compilation of structured documents
Michael J. Groves and David F. Brailsford (University of
Nottingham, UK)

16.00 Merging logical and physical structures in documents
Cecile Roisin (Inria-Rhone-Alpes, France) and
Irene Vatton (CNRS-imag, France)

16.30 Coffee break

17.00 Document reuse and document systems
David M. Levy (Xerox Parc, USA)

17.30 A constraint-based editor for linguistic scholars
Robert A. Morris (University of Massachusetts, USA),
Edward M. Blachman, and Charles Meyer (Interleaf, USA)

18.00 Reception

Thursday, April 14, 1994

8.30 - 10.00 Session 2: Structure transformations
Chair: Richard Furuta (Texas A&M University, USA)

8.30 Simon: A grammar-based transformation system for structured
documents
An Feng and Toshiro Wakayama (Xerox Webster, USA)

9.00 Transformations of structured documents with grammar
Eila Kuikka (University of Kuopio, Finland) and
Martti Penttonen (University of Joensuu, Finland)

9.30 Scrimshaw: A language for document queries and transformations
Dennis S. Arnon (Xerox Parc, USA)

10.00 Coffee break

10.30 - 12.00 Session 3: Multimedia and hypertext
Chair: Marc Nanard (LIRMM, Montpellier, France)

10.30 Specification of temporal constraints in multimedia documents
using HyTime - Robert Erfle (IBM Heidelberg, Germany)

11.00 MultiMedia Forum - an interactive online journal
Ingrid Gabel-Becker, Marlies Ockenfeld, Wolfgang Putz,
Gisela Roth, Klaus Suellow (GMD-IPSI, Germany)

11.30 Mediating interface between hypertext and structured documents
Koichi Hayashi and Akifumi Sekijima (Fuji Xerox, Japan)

12.30 Lunch

14.00 - 15.30 Session 4: Document recognition
Chair: Peter King (University of Manitoba, Canada)

14.00 Qualitative analysis of low-level logical structures
Abdel Belaid, Julian C. Anigbogu, and Yannick Chenevoy
(CRIN-CNRS/Inria, France)

14.30 MarktUp! an incremental approach to document structure
recognition
Peter Frankhauser and Yi Xu (GMD-IPSI, Germany)

15.00 A mixed approach toward an efficient logical structure
recognition from document images
Tao Hu and Rolf Ingold (University of Fribourg, CH)

15.30 Coffee break

16.00 - 18.00 Demonstrations

18:30 - 22:30 Social event at Auerbach castle

18.30 Bus departure to the castle

19.30 Knights+feast middle-age style

22.00 Bus departure to Seeheim

Friday, April 15, 1994

8.30 - 10.30 Session 5: Document preparation and publishing
Chair: Heather Brown (University of Kent, UK)

8.30 The prospects of publishing using advanced database concepts
Karl Aberer, Klemens Boehm, and Christoph Hueser
(GMD-IPSI, Germany)

9.00 Journal publishing with Acrobat - the cajun project
Philip N. Smith, David F. Brailsford, David R. Evans
(University of Nottingham, UK)

9.30 Weaving a web: the structure and creation of an object network
representing an electronic reference work
Lothar Rostek, Wiebke Moehr, and Dietrich Fischer
(GMD-IPSI, Germany)

10.00 Representation and manipulation of music documents in ScEX
Miguel Filgueiras and Jose Paulo Leal
(LIACC, University of Porto, Portugal)

11.00 - 12:00 invited talk
Roberto Minio (Pira, UK)
Publishing and mathematics: analogous evolutions

12.00 - 12:30 Closing session

Tutorials

Tuesday, April 12, 1994

14.30 - 17.30 Tutorial 1: Designing and authoring hypertext documents
George P. Landow, Brown University, USA (first Part)

14.30 - 17.30 Tutorial 2: SGML and databases
Francois Chahuneau, AIS/Berger-Levrault, France

Wednesday, April 13, 1993

8.00 - 11.00 Tutorial 1: Designing and authoring hypertext documents
George P. Landow, Brown University, USA (second part)

8.00 - 11.00 Tutorial 3: Multimedia and typography
Richard Southall

8.00 - 11.00 Tutorial 4: Introduction to desktop colour reproduction
Dr. Françoise Vienot (Centre National de la Recherche
Scientifique, UPR 257 Museum National d'Histoire Naturelle, Paris),
V. Ostromoukhov, I. Amidror, Prof. Roger D. Hersch (Peripheral
Systems Lab, EPFL, Lausanne), Dr. Michael Hass (Fogra, Muenchen)

8.00 - 11.00 Tutorial 5: Designing Information for the Computer Screen
Paul Kahn, IRIS, Brown University, USA
Krzysztof Lenk, Rhode Island School of Design, USA

15.00 - 18.00 Tutorial 6: Modelling human vision
Scott Daly

Tutorial 1 Designing and authoring hypertext documents

This tutorial is intended for those wishing to understand the many forms and uses of hypertext documents and the various approaches to their creation. Some rudimentary acquaintance with the technology will be expected, but attendees need not be hypermedia implementors. This tutorial is appropriate for anyone interested in creating educational (academic or industrial), instructional, or creative electronic documents or who wishes to survey real-world applications of hypertext and hypermedia. The instructor will provide both paper and electronic examples that those enrolled in the course can take away with them to use as templates or practical examples of the issues discussed. Topics to be addressed include:

1. Kinds of hypertext/hypermedia systems: Some basic forms such as text-based systems, multimedia delivery systems, and conceptual analysis systems, examples and demonstrations of currently available systems.

2. Basic design and conceptual issues: Reference vs. read-through texts: a valid distinction? - Single vs. multiple-window systems - Adaptive (from print text) vs. originally created for electronic environment - Axial vs. network organisation - Stand-alone vs. networked systems.

3. Forms of linking, their uses and limitations: Document to document - String to string, or string to document - Many-to-one links, One-to-many links - Action or process links, typed links - Problems with visual and sound materials.

4. Lost in hyperspace: problem or nonproblem? Orientation, reading histories, and navigation - System- vs. author-generated devices - Rhetoric of arrival - Rhetoric of departure.

5. Authoring hypertext/hypermedia materials: Organising devices for electronic media - Choosing electronic book vs. electronic library model - Effective length of reading unit (chunk, lexia, space, document) - Effect of hypertext upon reference notes - Reuse or repurposing: materials for multiple access 6. Hypertext modes and genres: Reference hypertext - Educational hypertext - Literary, artistic, and experimental uses.

George P. Landow is Professor of English and Art History at Brown University and Faculty Fellow at the Institute for Research in Information and Scholarship. He holds the AB, MA, and PhD from Princeton University and a MA from Brandeis University. Landow has

written and lectured internationally on educational computing and computer hypertext. He has supervised, edited, and written various large hypermedia documents.

Tutorial 2 SGML and databases

Various approaches for combining SGML and database technologies are presented. Focus is set on introducing generic concepts and methods and proposing a tool taxonomy, rather than presenting a catalogue of available software tools (which are however mentioned as examples, including some demos). The objective is to provide the audience with an extensive and structured overview of SGML and database relationships, and associated tools available for the development of SGML applications.

Attendees should be familiar with the SGML concepts and language and have a concrete interest for using database technologies in the framework of SGML applications. Topics: - Non-SGML databases: storing SGML data in databases - producing SGML documents out of databases - SGML databases: representing SGML documents as databases - SGML query languages - SGML databases and large document manipulation - SGML-based editorial engineering workbenches - SGML-based electronic document distribution

Francois Chahuneau is managing director of BL/AIS, a French company specialising in SGML-related technologies and providing consulting, systems integration and software development services. F. Chahuneau is a frequent lecturer in international SGML conferences and tutorials.

Tutorial 3 Multimedia and typography

The tutorial is intended for editors, graphic designers, and software developers who are concerned with handling text in multimedia presentations, on its own or in association with illustrations

First part: - Fonts: Differences in display objectives between multimedia and desktop publishing - The display surface in multimedia - Typographic function and the question of style - Font production technologies: Rasterisation and hinting - Algorithmic recognition of letterform structure - Binary and greyscale fonts - Font quality - Font formats: Display software - Metrics and kerning - Cross-platform working and display resolution.

Second part: - Layout: Principles of text layout - The reading task in print and multimedia - Differences between paper-based and electronic displays: Access mechanisms - Indexes and links - Paging and scrolling - Dynamic formatting and graphic structure - Design for print and design for multimedia: Relationships between text and illustrations - Colour - Multimedia and tradition in printing and publishing.

Richard Southall is a typographer and font designer with a longstanding interest in the graphic and visual problems of presenting text on electronic displays.

Tutorial 4 Introduction to desktop colour reproduction

Today's desktop computers and peripherals support the creation, visualisation, and printing of colour documents. Nevertheless, without appropriate calibration of input and output devices, colour originals will not be rendered faithfully. Furthermore, low-cost desktop colour printers may produce visible Moire effects. This tutorial intends to provide an introduction to colorimetry and to colour reproduction. It is divided into an introduction to colorimetry, an introduction to halftoning and colour reproduction and a survey of means for colour support in commercial systems.

1. Introduction to colorimetry - Françoise Vienot The scope of colorimetry is to provide the specification of colour. Basic colorimetric concepts and the CIE colorimetric system will be reviewed: standard colorimetric observer - CIE standard illuminants - calculation of CIE tristimulus values - use of the chromaticity diagram - colour difference formulae. In addition, the recent development by CIE of "a fundamental chromaticity diagram whose coordinates correspond to physiologically significant axes" will be presented.

2. Introduction to halftoning and colour reproduction -

V. Ostromoukhov, I. Amidror, Roger D. Hersch High-quality colour reproduction can only be achieved by appropriately calibrating input scanners and output printers. A method for the calibration of input and output devices by using 3D tables will be presented. Superimposed rotated grid layers may produce Moire effects. A short analysis of Moire interferences in the spectral domain will provide information about acceptable solutions minimizing Moire effects. While solutions exist for Moire-free reproduction at high-resolution, the generation of Moire-free images at desktop printer resolution is still an open problem. A brief review of current colour multi-cell clustered-dot halftoning techniques will be given, based on published patents and patent applications.

3. Colour support in commercial systems (Apple Colour Sync, PostScript Level II) - Michael Hass Commercial systems start to offer facilities and support for calibrated colour image acquisition, display and reproduction. This talk will explain and review the features offered by interfaces such as Apple Colour Sync and PostScript Level II.

Dr. Françoise Vienot (Centre National de la Recherche Scientifique, UPR 257 Museum National d'Histoire Naturelle, Paris), V. Ostromoukhov, I. Amidror, Prof. Roger D. Hersch (Peripheral Systems Lab, EPFL, Lausanne), Dr. Michael Hass (Fogra, Muenchen)

Tutorial 5 Designing information for the computer screen

The overall goal will be to help participants see and articulate the elements of good screen design. The purpose of the workshop is as much consciousness raising about the value and vocabulary of design as it is a collection of practical tips. This tutorial is intended for computer professionals responsible for or working with information to be read on the computer screen.

No formal background (or talent) in design is required. The tutorial will focus on fundamental aspects of visual communication as they apply to presenting information on the computer screen. A slide lecture will illustrate the issues symbol and representation and how these channels of visual coding are used when presenting information in two-dimensional space. Historical examples will show how code and structure is established in a wide range of cultures. These will be related to current examples of computer applications and hypermedia publication design. Much of the tutorial will be devoted to techniques for developing computer icons.

Slides that illustrate icon language in several popular computer applications will be discussed and analysed. The participants will then be asked to work in groups on a simple icon design assignment. The results of this assignment will be shared and discussed.

Paul Kahn has been involved in the design of hypermedia materials since 1985 at Brown University's Institute for Research in Information and Scholarship (IRIS). Krzysztof Lenk has been professor of graphic design at the Rhode Island School of Design since 1982, specialising in typography and information graphics. In February 1991 they formed the information graphics firm of Dynamic Diagrams Inc.

Tutorial 6 Modelling human vision

While the advent of digital imaging poses new and more complex problems to the quantification of image quality, it also allows more detailed modelling of the human visual system via image processing. These resulting visual models can provide for more accurate descriptions of image fidelity, which is the subset of image quality that specifically addresses the visual equivalence between two images. Such models are also making headway into the more general field of image quality as well.

This tutorial will begin by describing fundamental properties of human vision that relate to image structure. It will then describe how these properties have been modelled as components of the visual system by using digital image processing. Demonstrations of the results of the cascade of these image processing components will be shown for a variety of distortions in various applications (including text and digital halftoning). Finally, the performance of such image processing models of the visual system will be quantified by explicitly simulating psychophysical experiments.

Scott Daly is a research scientist in the Imaging Science

Division of the Eastman Kodak Research Laboratories. He has a BS in electrical engineering from North Carolina State University where he concentrated on image processing. After working a number of years in industry in the fields of video (RCA Corporation), photographic laser scanning (Photo Electronics Corporation), and lighting design (Duke Power Company), he returned to academia to obtain an MS in bioengineering from the University of Utah, where he used signal processing to study retinal neurophysiology. He then joined the research laboratories of Eastman Kodak and has worked in the fields of medical imaging, image compression, image quality, and human visual modelling.

General Information

Proceedings of the EP94 and RIDT94 conferences will be published by Wiley as special issues of the magazine EP-odd and will be available at the conference, so will be Acrobat versions on CD-ROM. PODP94 and TEP94 workshop proceedings will be given to each participant at the beginning of the workshops.

Accommodation: It is strongly recommended that conference attendees stay at the Lufthansa Training Center to save time and money. The Center offers single rooms for all participants of the conferences. Breakfast, lunch and dinner, that are included in the registration fee, will be taken at the Lufthansa cafeteria. Furthermore, a restaurant and bar are at the attendees+disposal. The Lufthansa Training Center also has a swimming pool, solarium and sauna. It can be reached in only 35 minutes from the Frankfurt Airport by Lufthansa shuttle bus. Further information on public transport and maps will be enclosed with the registration confirmation.

Insurance: The organisers cannot be held liable to Conference participants for injury, damage or loss of their personal property. It is suggested that participants make their own insurance arrangements. English is the official language of the conferences and workshops. Secretarial support including fax and phone is available during the whole conference week.

Registration

Conference secretariat WEPT

Christine Harms
GMD Birlinghoven
D-53757 Sankt Augustin
Germany
Tel: ++ 49 - 22 41 14 24 73
Fax: ++ 49 - 22 41 14 24 72 or 14 26 18
email: ep94@gmd.de

Please make your (binding) reservation by sending the completed registration form to the conference secretariat. Confirmation will be given after receipt of the registration form. For a limited number of students conference attendance at a reduced fee is possible. Please send a copy of your student card.

Fees for conferences, workshops and tutorials include proceedings, breakfast, coffee breaks, lunch, and dinner
- RIDT94 registration also covers participation in the Tuesday social event
- EP94 registration also covers participation in the Thursday social event
- Registration for tutorials or TEP can be made independently of the conferences.

Payments for RIDT should be made in French Francs payable to Agent comptable de l'INRIA
- by cheque
- by postal transfer (CCP Paris - 30041 - 00001 - 0909945B020 - 31)
- by bank transfer: Tresorerie Generale des Yvelines, Versailles (Compte No 10071-78000-00044009153-89)

Credit cards are not accepted.
Please give your name and the conference name: RIDT94

All other payments should be made in German currency payable to GMD
- by cheque
- by bank transfer: Kreissparkasse Siegburg (account No: 001 042 316, bank code 386 500 00)

Credit cards are not accepted.
Please give your name and the conference name: EP94.

Cancellation Fees will be returned in full for any written cancellation received before March 31, 1994 (postmarked stamp). No refunds will be made after this date.

Registration fees | including hotel room || without |
for | at the Lufthansa Trainings Center|| hotel room |
conferences | _____ || _____ |
and | before | after | || before | after |
workshops | March 15| March 15| nights booked|| March 15| March 15|
| _____ | _____ | _____ | _____ || _____ | _____ |
RIDT94 conference | 3550 FF | 3900 FF | Mo to We || 2900 FF | 3250 FF |
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RIDT94 student price| 2050 FF | 2350 FF | Mo to We || 1400 FF | 1700 FF |
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EP94 conference | 850 DM | 950 DM | We to Fr|| 650 DM | 750 DM |
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EP94 student price | 460 DM | 560 DM | We to Fr|| 260 DM | 360 DM |
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TEP94 workshop |* 190 DM |* 230 DM | Tu to We || 90 DM | 130 DM |
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Please mark tutorials you want to attend: |
| 1 2 3 4 5 6 |
Fee for each tutorial: [] [] [] [] [] [] 150 DM before March, 15|
| |
| [] [] [] [] [] [] 200 DM after March, 15 |
| |
Tutorial participants may book a night at the Center from Tuesday to |
Wednesday for reduced fee: * 100 DM |
| _____ |

If you want to stay extra nights at the Center, please fill in your |
arrival and departure dates. Charge for extra night per person incl. |
breakfast, lunch, and dinner: 160 DM |
| |
Date of arrival: _____.____ Date of departure: _____.____ |
| _____ |

* note that participants who have booked RIDT94 with hotel room have a
room from Tuesday to Wednesday

| |
Conference fees ____ DM ____ FF |
| |
Tutorial fees ____ DM |
| |
Extra nights ____ DM |
| _____ |
| |
Total ____ DM ____ FF |
| _____ |

| |
Date : |
| |
Signature : |
| |
Name : |
First name : |
Affiliation : |
Street : |
Town/postal code: |
Country : |
Tel/fax : |
E-mail : |
| _____ |