



## CGIV'2004 IS&T's Second European Conference on Color in Graphics, Imaging, and Vision

April 5-6, 2004, Technology Center AGIT, Aachen, Germany

### Invitation to Exhibitors at CGIV 2004

The Society for Imaging Science and Technology (IS&T) invites you to optimize your company presence at IS&T's Second European Conference on Color in Graphics, Imaging and Vision 2004 (CGIV 2004, <http://www.imaging.org/conferences/cgiv2004/index.cfm>) by becoming an active sponsor of the exhibition. The CGIV 2004 will be held at the technology center AGIT in Aachen, Germany, April 5-8, 2004.

Your corporate display will stand in a prestigious location in the center of the congress. Your brand name will be prominently displayed on the website, and in the final program and proceedings. About 9 squared meters are reserved for each exhibitor to present its profile or new products in color imaging within the exhibition at the conference. Walls for presentation and desks will be made available by conference center.

The registration fee for participation in the exhibition is 1.500 Euro. In case of your participation a special exhibition contract will be signed.

Let us know if you are interested in exhibiting products to the very special, knowledgeable and influential group.

Please answer as soon as possible with respect to display your brand name in the final program and proceedings.

#### **For exhibition questions, contact:**

Zentrum für Bild- und Signalverarbeitung e.V.

<http://www.zbs-ilmenau.de/>

Gustav-Kirchhoff-Str. 5, D-98693 Ilmenau

Karl Heinz Franke

Phone: +49 (0)3677 2010303 (300); Fax: +49 (0)3677 2010302

<mailto:steffen.rauer@zbs-ilmenau.de>

<mailto:karl-heinz.franke@prakinf.tu-ilmenau.de>



### Short Information to CGIV 2004 and to 6<sup>th</sup> International Symposium on Multispectral Color Science

The Conference on Color in Graphics, Imaging and Vision is the second in a new cycle of IS&T European conferences on a wide range of topics related to color and visual information. CGIV 2004 will bring together engineers and scientists from all over the world to discuss a broad list of topics in color science, color in computer graphics and vision, color in image processing, scanning, display and printing, visual response and industrial applications. Over 50 oral and 60 poster presentations selected from an overwhelming range of submissions will be presented by scientists and engineers from more than 20 countries. More-over, new industrial developments in color imaging will be demonstrated within a small exhibition.

About 300 people from universities and industrial research and development groups are expected to join the conference.

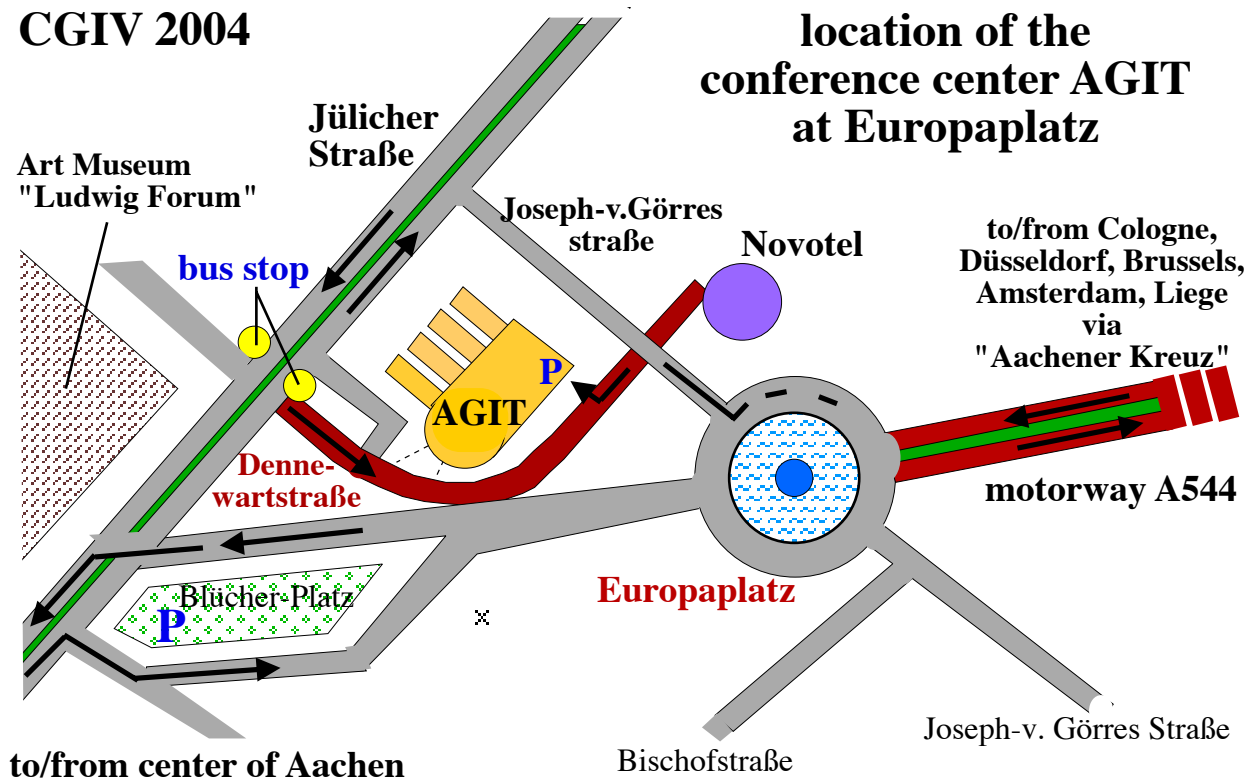
The conference will include a special session on Multispectral Color Science, representing the 6<sup>th</sup> International Symposium on this topic organized by an informal consortium of universities (<http://www.multispectral.org/>). Further 34 presentations will inform about the newest developments in this scientific field.

# The Conference Center AGIT

The AGIT Conference Center is located at the Europaplatz, a large circular place at the end of the motorway A544 with a water fountain in the center. The motorway connects the Europaplatz with the Westcrossing "Aachener Kreuz", a crossing of the two motorways A4 (to/from Cologne and Eindhoven, Amsterdam) and the A44 (to/from Düsseldorf and Brussels). Parking area is available in the center. From the Railway Station of Aachen, there is a bus connection in front of the main exit (Line 1 or 11 or 21). This will take you to the bus-stop called "Ludwig Forum" at the crossing of "Dennewartstraße" and "Jülicherstraße". The conference center is found 100 m down "Dennewartstraße" to the left.



## CGIV 2004



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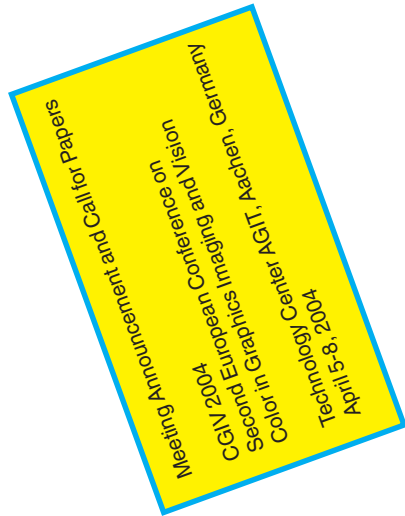
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## Meeting Announcement and Call for Papers


# CGIV 2004

Second European Conference on  
 Color in Graphics Imaging and Vision

Technology Center AGIT, Aachen, Germany  
 April 5-8, 2004



### Cooperating Societies

- |  |  |
|--|--|
| Comité Español del Color *                                       | The Color Group (Great Britain) *  |
| Danish Color Group   | The Flemish Innovation Centre for Graphic Communication (VIGC)   |
| European Federation of the Scientific Image                      | The Color Group of the South African Optical Society *   |
| The French Color Imaging Group                                   | The Royal Photographic Society of Great Britain  |
| German Color Group   |  |
| German Society of Color Science and Applications (DfWG in DVF) * |  |
| Hungarian National Color Committee *                             |  |
| Swedish Color Centre Foundation *                                | *  Member Organizations |

Sponsored by



Society for Imaging Science and Technology  
 7003 Kilworth Lane, Springfield, VA, 22151, USA  
 01-703-642-9090; Fax 01-703-642-9094;  
 info@imaging.org; www.imaging.org

### Technical Program Overview

- Color Science
  - colorimetry
  - color appearance models
  - color measurement
- Color in Computer Graphics
  - illumination models
  - rendering
- Color in Computer Vision
  - visual inspection
  - color constancy
  - color object recognition
  - image retrieval
- Color in Image Processing
  - encoding/compressing
  - filtering (morphology)
  - enhancement/restoration
- Image Scanning, Display and Printing
  - color management
  - calibration
  - gamut mapping
  - digital photography
- Multispectral Imaging
  - encoding
  - error metrics
  - system performance
  - novel technologies
- Visual Response
  - psychophysics
  - image quality assessment
  - usability
- Industrial and other Applications
  - color and surface inspection
  - color in medical systems
  - standards and terminology
  - calibrations
  - instrument's performance

### Tutorials Planned

- Color Appearance Modelling  
*Ronnier Luo, University of Derby, UK*
- Color in Computer Vision  
*Graham Finlayson, The University of East Anglia, Norwich, UK*
- Multispectral Color Imaging  
*Patrick Herzog, University of Aachen, Germany*
- Color in Image and Video Databases  
*Theo Gevers, Arnold W.M. Smeulders, Univ. of Amsterdam, The Netherlands*
- Color on Printed Surfaces  
*Arved Hübler, University of Chemnitz, Germany*
- Color Reproduction in Graphic Arts  
*Tony Johnson, London College of Printing, UK*
- Digital Color Management – Part I (Technology)  
*Stefan Brues, University of Wuppertal, Germany*
- Digital Color Management – Part II (Workflows and Applications)  
*Olaf Drümmer, callas Software, Berlin, Germany*
- Evaluating Image and Color Quality  
*Eggert Jung, NexPress, Germany*
- Color in Computer Graphics  
*Alexander Wilkie, University of Vienna, Austria*
- Color in the Visual System and Models  
*Hedva Spitzer, Univ. of Tel Aviv, Israel*

### Sign up for our Color Imaging Mailing List

Members of IS&T automatically receive a copy of the program and registration details when available. If you are not a member, let us know you would like to be added to our mailing list.

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Country: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_

Please identify topics of special interest: \_\_\_\_\_

Comments: \_\_\_\_\_

Mail or fax this form to:  
 IS&T, 7003 Kilworth Lane, Springfield, VA 22151  
 Fax: 703-642-9094; E-mail: info@imaging.org

## Submission Procedures

Prospective authors are invited to submit papers for presentation in any of the technical areas listed in the Technical Program Overview. A 2–3 page technical summary (1000+ words) indicating the final paper content will be considered by the Program Committee when submitted by **September 15, 2003** according to the directions described at

[www.imaging.org/conferences/cgiv2004/](http://www.imaging.org/conferences/cgiv2004/)

Authors can present their work as an oral paper, a poster or an interactive show. In the case of interactive shows, the authors will need to bring their own equipment, e.g., computers, devices, etc. Final decisions on the presentation format (oral, poster or interactive show) are at the discretion of the Technical Program Committee.

The committee will be conducting a “double-blind” review. That is, the reviewers will not know the names of the authors until the review is completed, and the reviewers will remain anonymous. In order to achieve this, authors are requested to place all identifying information on a cover sheet so that it can be removed before it is made available to the committee.

Electronic submissions via the IS&T website are strongly preferred, but those without web access should phone +1-703-642-9090 or e-mail the IS&T staff at

[cgiv@imaging.org](mailto:cgiv@imaging.org)

for alternative submission methods. In any case, the following information is also required:

1. your preference for oral, poster presentation or interactive show;
2. a list of key words and a classification of the paper content as in the suggested topics;
3. Contact information for the author(s), including postal mail, phone, fax and e-mail address.

Upon acceptance of your abstract, you will be sent an author’ kit with instructions for the preparation of the paper to be published in the conference proceedings.

Final papers are due by January 20, 2004. The conference committee also welcomes suggestions for tutorial presentations.

Papers presented at CGIV will be solicited for special issues of the *Journal of Electronic Imaging* and the *Journal of Imaging Science and Technology*.

More information can be found at the CGIV 2004 web site:

[www.imaging.org/conferences/cgiv2004/](http://www.imaging.org/conferences/cgiv2004/)

## Schedule of Deadlines

Paper proposals (extended abstracts) due: 15 September 2003  
Notification of acceptance: 30 October 2003

Upon acceptance of the extended abstract, authors will be given instructions for the preparation of the full paper in electronic form, to be published in the conference proceedings.

Final papers due: 20 January 2004  
Conf. registration forms will be available December 2003

## IS&T’s Second European Conference on Color in Graphics, Imaging and Vision

The Society for Imaging Science and Technology (IS&T) invites you to the Second European Conference on Color in Graphics, Imaging and Vision (CGIV 2004), to be held at the technology center AGIT in Aachen, Germany, April 5-8, 2004. The conference is the second in a new cycle of IS&T European conferences on a wide range of topics related to color and visual information.

The first conference, CGIV 2002 held in Poitiers, France, was a great success and brought together engineers and scientists from all over the world. Researchers in many color related fields, technical communities and the industry presented their newest results in the theory and application of color.

The second conference, in Aachen, Germany aims to build on the success of CGIV 2002. We again seek to provide a forum for new research in color but more than this we wish to facilitate the meeting of minds. Engineers and scientists from academics will meet each other but they will also meet researchers from industry. The exchange of ideas is something we set out to encourage. The list of topics we seek to attract to this conference are listed in the Technical Program Overview. However, in broad terms, we seek new work across the discipline of color as a whole. The latest physics or mathematics result, for example, in computer vision is certainly interesting, but so too are the new results in visual science. Applications of these basic research results should also be presented at CGIV. Indeed, we seek all high quality submissions in the area of color in graphics, imaging and vision. We expect CGIV to be a forum for many disciplines including computer scientists, visual scientists, physicists, mathematicians and industry based researchers. Not only universities, but also industrial research and development groups are strongly invited to present applications in color science and technology. Moreover, a session on color and surface inspection is planned to focus on the growing importance of color in object and pattern recognition.

Each article submitted to the conference will be subject to rigorous peer review by the Technical Program Committee, which is comprised of recognized experts from all over the world. Selected papers will be published in the CGIV Conference Proceedings. The conference itself will comprise both oral and poster sessions. The main program will be supported by tutorial sessions, demo sessions from industry and presentations made by national color groups. We are happy to hear from any color research center/group/company that might be interested in presenting demonstrations of their technology in Aachen.

Outside of the conference the city of Aachen has much to offer the visitor. Aachen, located at the “Three Land Point” of Germany, Belgium and The Netherlands is one of the historical centers of Europe and has a famous cathedral and a historical Town Hall in the old district of Charlemagne. Aachen is easily accessible by train from major international airports, such as Frankfurt, Cologne or Duesseldorf (Germany), Bruxelles (Belgium), or Amsterdam (The Netherlands). The city itself has many charming narrow streets where the visitor can find picturesque pubs, historical inns as well as elegant shops. Not far away from Aachen, you might also visit the old city of Maastricht with its typical Maasland Renaissance style, Belgium with picturesque villages like Eupen or Tongeren and the famous flea market in Liege or make a tour on the romantic river Rhine after the conference. For more tourist information, see [www.aachen.de](http://www.aachen.de).

However, Aachen is not only a city of beauty and historical import, it is, today, a lively and growing city of science. The University of Aachen provides a center of technology for more than 35 000 students from 22 nations and is the source of many new industrial activities in the area. So, take the opportunity to share and discuss your work with engineers and scientists from all over the world by participating in IS&T CGIV 2004 in Aachen, and combine it with a rich cultural experience in a central part of Europe where three beautiful countries meet.

## CGIV-2004 Organizing Committee

### General Chair:

Bernhard Hill  
Univ. of Aachen, Germany  
hill@ite.rwth-aachen.de  
Phone: +49 (0)241 80 27700

### Program Chair/ Co-Chair :

Graham Finlayson  
Univ. of East Anglia, Great Britain  
graham@sys.uea.ac.uk  
Phone: +44 (0)1603 592574

Alain Tremeau

Univ. of Saint-Etienne, France  
tremeau@vision.univ-st-etienne.fr  
Phone: +33 (0)4 77 91 57 52

### Poster Chair/Co-Chair:

Patrick Herzog  
Univ. of Aachen, Germany  
herzog@ite.rwth-aachen.de  
Phone: +49 (0)241 80 27706

Olivier Colot

Univ. of Sci. & Tech., Lille, France  
olivier.colot@univ-lille1.fr  
Phone: +33 (0)3 20 43 48 76

### Tutorial Co-Chairs:

Stefan Brues  
Univ. of Wuppertal, Germany  
brues@uni-wuppertal.de  
Phone: +49 (0)202 43 94167

Sabine Süsstrunk

EPFL Lausanne, Switzerland  
Sabine.Susstrunk@epfl.ch  
Phone: +41 (0)21 693 6664

### Sponsor Chair:

Eggert Jung  
NexPress GmbH, Germany  
Eggert\_Jung@nexpress.com  
Phone: +49 (0)433 864 6553

### Publication Chair:

Frank Rochow  
LMT Lichtmesstechnik GmbH, Germany  
offices@rochow-berlin.de  
Phone: +49 (0)30 393 4028

### Public Relation Chair:

Christine Fernandez-Maloigne  
University of Poitiers, France  
fernandez@sic.univ-poitiers.fr  
Phone: +33 (0)5 49 49 65 73

### Special Session Chair:

Jaume Pujol Ramo  
Univ. Polytechnica of Catalunya, Spain  
pujol@oo.upc.es  
Phone: +34 93 739 8337

### Exhibits Chair:

Karl Heinz Franke  
Univ. of Ilmenau, Germany  
karl-heinz.franke@prakinf.tu-ilmenau.de  
Phone: +49 (0)367 766 8485

### Audio/Visual Chair:

Hendrik Büring  
Univ. of Aachen, Germany  
Buering@ite.rwth-aachen.de  
Phone: +49 (0)241 802 7711

### IS&T Representation

René DeKeyser  
Agfa Gevaert Group, Belgium  
rene.dekeyzer.rd@belgium.agfa.com  
Phone +32 (0)3 444 3100

Brigitte Winnepenninckx  
Agfa Gevaert Group, Belgium  
brigitte.winnepenninckx.bw1@belgium.agfa.com

## Technical Program Committee

Joaquin C. Acosta, *CSIC, Spain*  
Jan Allebach, *Purdue University, USA*  
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Klaus Witt, *DfWg, Berlin, Germany*



# The Sixth

International Symposium on

## Multispectral Color Science

Technology Center AGIT  
April 6-8, 2004,  
Aachen, Germany

You are invited to join the

### **6th International Symposium on Multispectral Color Science.**

The Symposium will be embedded in the

### **Second European Conference on Color in Graphics, Imaging and Vision CGIV 2004**

to be held in **Aachen, Germany**, Technology Center AGIT, April 5-8, 2004.

The 5th Symposium on the emerging field of Multispectral Color Science in Rochester, May 2003, was a great success. Research groups of 11 countries presented 44 oral papers and posters. Authors planning to submit a paper to the 6th Symposium are kindly requested to follow the guidelines of IS&T for CGIV 2004 according to

[www.imaging.org/conferences](http://www.imaging.org/conferences).

Contributions to the fields of basic theory of multispectral imaging, image capture, transmission and multichannel display or printing, image and data encoding, multispectral image quality, system performance, novel technologies and applications are welcome.

Please notice the **deadline of September 15, 2003**, for submitting abstracts!

CGIV 2004 will bring together engineers and scientists from all over the world to discuss a broad list of topics in color science, color in computer graphics and vision, color in image processing, scanning, display and printing, visual response and industrial applications. The conference itself will comprise both oral and poster sessions and submitted papers will be published in CGIV Conference Proceedings. More-over, new industrial developments in color imaging will be demonstrated. A social program including the visit of the historical district in Aachen and the famous cathedral founded in 800 will round up the conference program.

The City of Aachen is located in the heart of Europe at the border of Germany, The Netherlands and Belgium and is easily accessible by train or international airports nearby.

**Local organization:** Patrick Herzog and Bernhard Hill, University of Aachen