The Venue

The conference is being hosted by the University of Amsterdam, at their Science Park and downtown facilities. As the capital of the Netherlands, Amsterdam is a city with a wonderful mix of old and new. Its maze of canals beckons one to explore the city on foot, bicycle, or boat.

Short courses will be held at the University's Science Park, located on the eastern side of Amsterdam. Easily accessible by public transport, the Park is home to the University's faculty of Science. Technical sessions will be held in the beautiful 17th century Oude Lutherse Kerk (Old Lutheran Church), located in the heart of Amsterdam. Besides functioning as a church, this historical building is the place where the University's PhD ceremonies are held during the academic year. The church is located about 10 blocks, from the Central Train Station, or about a 20-minute walk, and on a direct bus line.

Accommodations

There are numerous hotels located in the area of Amsterdam where the technical sessions are being held. Guidance on hotels will be listed in the preliminary program, but attendees should feel free to make their own arrangements.

Getting to/from Amsterdam

Amsterdam is served by Schiphol International Airport (AMS), which is located about 15 kilometers from Amsterdam center. Schiphol is one of Europes busiest airports, offering direct flights from many cities in the world.

The Schiphol Railway Station is located directly under the arrival/departure area of the airport, making the center of Amsterdam easily reached by train in approximately 20 minutes. There are frequent train connections (approximately every 15 minutes throughout the day) from AMS to Amsterdam Central Station, from which you can take a taxi or tram to your hotel or to the conference venue. Although traveling by car to Amsterdam is another option, parking can be very cumbersome and expensive.

MARK YOUR CALENDAR

May 6-9, 2012

CGIV 2012

Amsterdam, the Netherlands

CGIV 2012 Cooperating Societies

The Color Group (Great Britain)

Comité Español del Color

Deutsche Gesellschaft für Angewandte Optik, DGaO

Flemish Innovation Centre for Graphic Communications VIGC

The French Color Imaging Group

ISCC - Inter Society Color Council

GI Fachbereich Graphische Datenverarbeitung

German Society for Color Science and Application (DfwG)

Gruppo del Colore (Italian Color Group)

Swedish Colour Centre Foundation

The Royal Photographic Society of Great Britain/Imaging Science Group

Society for Imaging Science and Technology
7003 Kilworth Lane
Springfield, VA 22151 USA
703/642-9090; 703/642-9094 (fax)

IS&T
imaging.org

CGIV 2012

6th European Conference on Colour in Graphics, Imaging, and Vision

University of Amsterdam
Amsterdam, the Netherlands
May 6-9, 2012

Call for Papers

Abstract Deadline: October 23, 2011

www.imaging.org/ist/conferences/cgiv/

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sponsored by the Society for Imaging Science and Technology
in cooperation with the University of Amsterdam

The Conference

The Society for Imaging Science and Technology (imaging.org), in cooperation with the University of Amsterdam and its cooperating societies, invites you to CGIV2012, the Sixth European Conference on Colour in Graphics, Imaging, and Vision. The meeting will take place May 6-9, 2012, at the University of Amsterdam in the Netherlands.

CGIV2012 covers a wide range of topics related to colour and visual information. The single-track structure of the conference brings together technical talks from academia and industry, and thereby provides an excellent forum for research scientists and engineers worldwide to discuss new ideas, present results, exchange research, and establish possible future collaborations in an atmosphere condusive to sharing. Newcomers will discover the scope of exciting colour-related research areas and be able to discuss ideas with world-renowned experts. CGIV2012 builds on the success of five previous conferences.

The program committee is currently soliciting high-quality submissions from researchers working in a broad range of colour related fields from industry, academia, and national and international standards communities. Conference topics—listed in detail inside this Call—include Image Quality; Image and Video Processing; Colour Reproduction; Colour Science; Computational Colour; Colour Vision/Psychophysics; Colour in Print, Art, and Design; and Spectral Colour Science.

CGIV2012 includes oral paper presentations, interactive paper sessions, and short courses. As in years past, submissions will be subject to a rigorous peer review. Technical Chairs for each specific area will lead a group of technical experts who will conduct the rigorous review.

—General Chair Theo Gevers, and
Program Chairs David Foster and Alessandro Rizzi

Submission Procedures

Prospective authors are invited to submit a 6–8 page paper (~3600–5000 words) of original work to be presented at the conference. Papers should represent unpublished work, provide a clear indication of originality, contain new results, and include references to prior work. Papers may address any of the technical areas listed to the right, or any other topic closely related to those listed. All submissions will undergo a "double-blind review" to assure that the program provides significant, timely, and authoritative information.

ALL papers presented at the meeting will be published in the conference proceedings, indexed with various services, filed with the US Library of Congress, and made available as PDFs through the IS&T online library. Authors may propose either a 20-minute oral or an interactive discussion presentation format. This enables presenters to engage with other delegates in the mode best suited to their content and desires. Oral and interactive papers are considered of equal value and merit. Author's preference for presentation format will be honored as possible. The conference language is English.

To facilitate the rigorous double-blind review process (names of authors are not disclosed until the review is complete; reviewers remain anonymous) **authors are requested to place all identifying information on a separate cover sheet.** Electronic submissions are preferred; those without web access may contact IS&T for alternative submission methods. Each submission should include:
1. Preference for oral or interactive presentation
2. List of key words and classification of paper content using the suggested topics list at right
3. Complete author contact information: phone, fax, e-mail, and postal address

Deadline for submissions is October 23, 2011. Visit **www.imaging.org/ist/conferences/cgiv/** for further details. Those whose papers are accepted will receive instructions for preparation of the final manuscript in early January 2012. **Final papers are due March 5, 2012.**

Technical Areas and Chairs

Colour Science
Chair: Reiner Lenz, Linköping University, Sweden
- Colorimetry
- Colour Difference Equations
- Colour Measurement
- Theories and Models of Color Vision
- Indices of Colour Inconstancy and Metamerism
- Uniform Colour Spaces
- Colour Appearance Models

Image Quality
Chair: Ivar Farup, Gjøvik University College, Norway
- Image Quality Attributes
- Subjective Evaluation and Psychometric Scaling
- Image Quality Survey Design
- Integration of Quality Attributes
- Reference-free, Reduced-reference, and Full-reference Image Quality Metrics
- Pooling of Metrics
- Saliency in Images

Colour in Print, Art, and Design
Chair: Carinna Parraman, University of the West of England, UK
- Colour in Art and Design Communication: graphic design, fine art originals, packaging, photography
- Colour in Applied Arts, Design, and Craft: textiles, wallpaper, flooring, 3D design, product design
- Colour in New Directions in Print: 3D printing, laser, novel printing methods, novel materials, hybrid approaches
- Emerging Colours: gloss, metallics, colour changing, and florescent inks, polymers

Colour Reproduction
Chair: Peter Zolliker, Empa, Switzerland
- Colour Capture, Printing, Display, and Projection
- Device Calibration, Characterization, and Modeling
- Gamut Mapping
- Digital Cinema

Computational Colour
Chair: Sebastiano Battiato, University of Catania, Italy
- Colour in Pattern Recognition and Computer Vision (industrial inspection, recognition of skin colours, biometric, medical, and microscopy applications, semantic analysis)
- Colour-Image Encoding and Compression
- Colour for Image Retrieval, Database Browsing, and Video Processing
- Colour Processing in Digital Cameras: Acquisition, Demosaicing, Multiframe Processing, Super Resolution and Novel Colour Imaging Technologies

Colour Vision/Psychophysics
Chair: Maria Vanrell, Universitat Autònoma de Barcelona, Spain
- Colour and Material Perception in Natural Images
- Colour Discrimination and Spatio-chromatic Interactions
- Colour Constancy
- Colour Memory and Colour Cognition

Colour Image and Video Processing
Chair: Chaker Larabi, University of Poitiers, France
- Video Processing
- Pre-processing (normalization, etc.); Filtering (especially non-linear filtering) and Enhancement
- Segmentation (including performance evaluation of segmentation)
- Image Sequence Processing (temporal colour filters, summary extraction, tracking, etc.)
- 2D/3D Video Processing
- Visual Saliency from Colour Image and Video
- Quality Assessment of Colour Image and Video
- Colour in Medical Image Processing

Spectral Colour Science
Chair: Markku Hauta-Kasari, University of Eastern Finland, Finland
- Spectral Image Capture, Processing, and Analysis
- Spectral Image Quality
- Spectral Image Visualization, Display, and Reproduction
- Spectral Optimization of Light Sources and Displays
- Spectral Image Applications

CGIV 2012 Organizing Committee

General Chair
Theo Gevers
  University of Amsterdam

Program Chairs
David H. Foster
  University of Manchester

Alessandro Rizzi
  Universita Degli Studi di
  Milano

Short Course/Workshop Chair and Coordinating Chair
Marcel Lucassen
  University of Amsterdam

IS&T Conference Organization
Sabine Süsstrunk (EPFL),
Conference Vice President

Suzanne E. Grinnan,
Executive Director

Diana Gonzalez,
Conference Program Manager

Colour Workshops—May 6, 2012

Short courses will be held as a part of CGIV2012. Proposals are invited from academia, industry, organizations, and individuals for courses of 3 hours in length. Further, CGIV2012 will continue to organize colour workshops (half- and/or full-day). These workshops may take a number of forms, with the common goal of providing a forum for intensive, collaborative discussions (not lectures) and/or hands-on work about actual topics in colour science.

The committee is looking specifically for short courses and workshops that will be attractive to PhD students and young researchers. Proposals, not exceeding two pages, should be sent to cgiv@imaging.org attn: Short Course and Workshop Chair.

Tentative Conference Program

Sunday, May 6
Short Courses/Workshops

Monday, May 7
- CGIV Technical Sessions
- Interactive Papers
- Conference Reception

Tuesday, May 8
- CGIV Technical Sessions
- Conference Banquet

Wednesday, May 9
- CGIV Technical Sessions