

iarigai

International Association of Research  
Organisations for the Printing, Information  
and Communication Industries



## 29<sup>th</sup> International **iarigai** Research Conference



### **Advances in Graphic Arts & Media Technology**

[www.iarigai.com/02](http://www.iarigai.com/02)

**September 8 – 11, 2002  
at the Lake of Lucerne  
Switzerland**



**Registration Deadline July 01, 2002**



# General information about IARIGAI

IARIGAI, a non-profit organisation, was founded in 1965 to link research institutes in the graphic arts sector, to create a network for researchers and to promote co-operation on an international basis between research institutes in the printing and related sectors.

In a multi-media world, where printed materials and electronic transmission generate an extended network of interactive communication, IARIGAI's aim is:

- to support the evolutionary process toward the comprehensive information society of the 21<sup>st</sup> century
- to promote the extension of knowledge throughout the graphic and other information media technologies
- to organise platforms and research conferences for the exchange of knowledge and experience over a world-wide network

## The 29<sup>th</sup> IARIGAI Research Conference

EMPA/Ugra as host institute invites you to experience the spirit of recent research combined with an important view into future developments of Graphic Arts & Media Technology. The main topics are

- Cross-media publishing
- Colour management and digital proofing
- Quality control

24 papers written by authors from eleven countries will present results of recent research work.

The programme includes introductory tutorials, keynote presentations and scientific papers, and plenty of time for discussions in stimulating surroundings.

The lectures are embedded in an attractive programme: A welcome reception, the conference dinner and a boat trip on the Lake of Lucerne, a gala dinner in Lucerne and visit to a leading media company. Partners are invited to participate in sightseeing tours.

# Programme • September 8, Sunday

## Tutorial programme

Participants have the opportunity to improve their skills or acquire new ones by taking advantage of tutorial sessions, covering aspects of technology at introductory and advanced levels, including Cross Media Publishing, Colour Management, Proofing Technology and Print Quality. Detailed information: [www.iarigai.com/02](http://www.iarigai.com/02)

### **15.00–18.00** Cross Media Publishing – Tutorial

- Motivation
- Device-independence principles
- Content Management
- PDF and XML
- Future trends

### **15.00–18.00** Colour in Digital Workflow – Tutorial

- Colour management
- The ICC profile
- Systematic quality control
- Future trends

### **16.00–17.30** Registration – Conference Documentation

### **18.30–20.00** Welcome Reception at the Hotel Fürigen\*

**\*Sponsored by Wifag**



# Programme • September 9, Monday

## Session 1 Cross media publishing

- 09.00** Welcome by the IARIGAI Chairman • Anders Bovin • Framkom
- 09.05** Ugra 50 years – a presentation • Kurt Mürnger • EMPA/Ugra, St. Gallen
- 09.20** Keynote • Michael G. Hancock • Pira International, Leatherhead
- 09.50** Integration and convergence in the media field  
• Ulf Lindqvist, Timo Siivonen • VTT, Helsinki
- 10.20** Do we really have sufficient digital data files and exact working tools ?  
• Werner Sobotka • VFG, Vienna
- 10.50** **Coffee**
- 11.10** Integrated multiple media management • Caj Södergård • VTT, Helsinki
- 11.40** A topic-based approach to multiple channel news publishing  
• Alex Jonsson, Kristina Sabelström-Möller, Björn Hedin • KTH, Stockholm
- 12.10** Modelling and simulation of integration of web system, digital and conventional printing • Vilko Ziliak, Klaudio Pap • FGA, Zagreb
- 12.40** **Lunch**
- 14.00** Customisable training materials on web and in printed format  
• Helene Juhola, Asta Bäck • VTT, Helsinki
- 14.30** From paper to web and vice versa – solutions for educational material  
• Sanja Kopilovic, Vesna Kropar Vancina • FGA, Zagreb
- 15.00** Identifying similarities and differences in cross-media publishing applications in newspaper and commercial printing enterprises – implications for human capital • Anastasios Politis, Ester Appelgren, Lena Halonen • KTH, Stockholm
- 15.30** **Coffee**
- 16.00** IARIGAI General Meeting – for member representatives only

**Conference dinner and a boat tour on the Lake of Lucerne**

# Programme • September 10, Tuesday

## Session 2 Colour Management and Digital Proofing

- 08.30** Keynote: Quality managed proofing  
• Stefan Livens, Marc Mahy • AGFA, Gevaert NV, Belgium
- 09.00** The evaluation of digital proofing devices  
• Markus Dätwyler, Kurt Schläpfer • EMPA/Ugra, St.Gallen
- 09.30** Monitoring error propagation in the ICC workflow  
• Thomas Hecht • FOGRA Munich
- 10.00** Colour quality control in newspaper networks • Olli Nurmi • VTT, Helsinki
- 10.30** **Coffee**
- 11.00** Colour management for soft proofing • Sara Leckner • Framkom, Stockholm
- 11.30** Colour management for digital video  
• Jon Hardeberg, Gudmund Stjernvang • University College, Gjøvik
- 12.00** ICC Colour management in the motion picture industry  
• Andreas Kraushaar • FOGRA, Munich
- 12.30** **Lunch**

## Session 3 Quality Control

- 14.00** Digital images and test targets 2.0 • Robert Chung • RIT, Rochester
- 14.30** Closed loop quality control of newspaper CTP plate production  
• Uwe Junglas • IFRA, Darmstadt
- 15.00** Toward the optimisation of the flexographic printing of corrugated board  
• Eliane Rousset, Gerard Baudin, Lionel Chagas • EFPG, Grenoble
- 15.30** **Coffee**
- 15.50** Effect of accelerated ageing on the degradation of unprinted and printed graphic paperboards • Marjeta Cernic Letnar, Ales Hladnik, Vesna Kropar Vancina • Ljubljana
- 16.20** Standard lightfastness of prints and its relation to real durability against different light sources • Artur Rosenberg, Harald Pertler • FOGRA, Munich
- 16.50** Endnote: Future of an industry organisation • James Siever • ERA, Munich
- 17.20** Invitation to the 30th IARIGAI Research Conference, 2003  
• Mladen Lovrecek • FGA, Zagreb
- 17.25** Closing of the conference • Anders Bovin • IARIGAI

**The gala dinner at the OLD SWISS HOUSE in Lucerne**

# Programme • September 11, Wednesday

## Industrial visit

Two well known companies will give presentations of particular activities in the field of crossmedia publishing and informatic technologies

- Ringier Print Zofingen AG\*: Switzerland's largest publishing house
- IBM Zurich Research Laboratory\*\*

The train will take you back to Airport Zurich at 4 pm.

### \*Ringier Print Zofingen AG

Switzerland's largest print centre employs around 900 staff in the production of Ringier magazines as well as catalogues, brochures and periodicals.

National and international companies have their communications media printed in Zofingen using rotogravure and offset. In the «Ringier e>data» and «Ringier PreMedia» departments, communications data is prepared in such a way as to enable it to be employed in the most diverse media: from printed products up to Internet solutions.

«Ringier One-to-One» encapsulates the entire spectrum of services in the direct marketing area from lettershop up to smartFinishing. This innovative technology enables the personalisation and selective design of catalogues, brochures etc.

### \*\*IBM Zurich Research Laboratory

The research projects pursued at IBM's Zurich Research Laboratory are organized into three scientific and technical departments: Communication Systems, Computer Science, and Science & Technology. Also located at Zurich are the Industry Solutions Lab (ISL), an executive briefing facility, as well as the Mobile Solution Innovation Centre, a forum where IBM integrates and demonstrates the latest IBM mobile e-business offerings and partner technologies.



# Partners Programme

## September 9, Monday

Whole-day visit to Lucerne including a guided sightseeing tour and free time for visiting museums, etc. or shopping (7 hours – lunch included)

### Lucerne

A medieval but still modern town nestled in a uniquely beautiful landscape – that is Lucerne, the city of lights. It's striking profile faces the world-famous Lake Lucerne (Vierwaldstättersee) surrounded by the impressive panorama of the Alps.

## September 10, Tuesday

**A.M:** Half-day excursion to Mount Titlis (3020 m above sea level)

**P.M:** Guided visit to the Glass Factory in Hergiswil (2 hours)

### Mount Titlis

Excursion to the highest point in Central Switzerland with unique Glacier Paradise. First revolving aerial cable-car in the world takes you in a 45 minutes' ride to a high alpine paradise with a spectacular view of glacier crevasses.

### The Lucerne Festival Classical Music

one of the most important musical events in Europe

Date	Place	Time	Event
September 9 <sup>th</sup>	Konzertsaal	19.30	26. Sinfoniekonzert
	Schweizerhof	19.30	Kammermusik X
September 10 <sup>th</sup>	Lukaskirche	12.15	debut.lucerne VII
	Konzertsaal	19.30	27. Sinfoniekonzert
	Jesuitenkirche	19.30	Alte Musik II

See: [www.lucernefestival.ch](http://www.lucernefestival.ch)



# Conference Information

## Conference registration

The registration fee includes attendance, conference reception on Sunday evening, lunch and refreshment breaks on Monday and Tuesday, conference dinner on Monday evening, gala dinner on Tuesday evening, excursions and the compendium of preprints. There is an extra fee for participating in the tutorials. Kindly submit your registration on-line under [www.iarigai.com/02](http://www.iarigai.com/02). Upon receipt of your registration and your payment, we will send you a confirmation letter with additional information.

## Conference fees

	<b>Euro</b>
IARIGAI members	610
Non-members	770
Speakers	440
Supplement fee for Tutorials (Sunday, September 8 <sup>th</sup> )	90

## Charges for partner's attendance

(for the participant, they are included in the conference fees)

• on Sunday night: Welcome Reception	34
• on Monday night: Conference Dinner	34
• on Tuesday night: Gala dinner	40
• Ladies' programme (per day)	30

**Registration and payment on-line under [www.iarigai.com/02](http://www.iarigai.com/02) – Deadline July 01, 2002**

Following creditcards are accepted: Eurocard/Mastercard, VISA or American Express.

## Hotel information

The Conference Centre Hotel Fürigen, is situated 200 m above the Lake of Lucerne, in one of the most beautiful Alpine regions of Switzerland.

We offer three different pricecategories (prices per night per person including breakfast):

	<b>Single room</b>		<b>Double room</b>	
<b>Low price category</b>	Euro	70	Euro	55
<b>Medium price category</b>	Euro	90	Euro	85
<b>High price category</b> (Conference Hotel)	Euro	105	Euro	90

The low and medium price category hotels are located approximately 6-8 km from the Conference Hotel. The transportation from/to the Conference hotel will be organized. The hotelbooking is combined with the Conference registration under [www.iarigai.com/02](http://www.iarigai.com/02) with the first hotelnight payable at registration.

## Location

Fürigen is located about 85 km from Zürich airport. Duration by train is 2 hours. Detailed information of «How to get there» will be included in the confirmation letter of the Conference registration.