

Preliminary conference program

Day 0

Saturday, 10 September 2011

13:00-19:00	Hotel Victoria: Meeting of the Board
17:00-19:00	Hotel Victoria: Registration of participants and welcome cocktails

Day 1

Sunday, 11 September 2011

08:00-09:00	Budapest - registration of participants in the hotels
09:00-	Departure by buses to Debrecen - expected arrival at 12:00 (Participants and partners)
12:30-13:30	Lunch in Debrecen
13:30-13:45	Opening of the conference (<i>Helene Juhola, Csaba Horvath</i>) Welcome address Introduction of new iarigai members
13:45-14:15	Invited opening lecture - Centuries of printing in Debrecen. (<i>speaker to be announced</i>)
14:15-14:35	Coffee break
14:35-15:50	Plenary session 1 - New applications for printing
14:35-15:00	Electrical and print quality of parallel-plate capacitor screen-printed on paper. <i>M. Klanjšek Gunde, M. Maček, M. Žvegič, T. Muck, J. Pelvnjak, T. Vidmar, N. Hauptman, R. Urbas, G. Golob, M. Starešinič</i>
15:00-15:25	Characterisation of catalyst layers for fuel cell printed by flexography. <i>C. Bois, A. Blayo, D. Chaussy, R. Vincent, C. Nayoze</i>
15:25-15:50	Gravure printing of thick film electrodes for PEM fuel cell production. <i>F. Siegel, A. Kohl, E. Enns, A. Willert, W. Deger, H. Dziallas, R. Baumann</i>
15:50-16:00	Presentation of Alföldi Nyomda Printing Co.
16:00-17:30	Visit to Alföldi Nyomda Printing Co.
17:30-	Departure for Hortobágy Pusta
18:00-19:30	Hortobágy Pusta: Open-air dinner at a typical Hungarian plains estate (Participants and partners)
19:30-	Return to Budapest - expected arrival at 22:00

Day 2

Monday, 12 September 2011

09:00-09:25	Keynote lecture - A light colour fidelity for the graphic arts. <i>J. Schanda</i>	
09:25-10:40	Session 2 (Plenary) - Understanding color	
09:25-09:50	An expanded Neugebauer formula, using varying micro-reflectance of the Neugebauer primaries. <i>D. Nyström</i>	
09:50-10:15	Evaluating color-difference formulas in LCD-based soft-proofing. <i>M. Fedutina, P. Urban, E. Dörsam</i>	
10:15-10:40	Colour effect changes at security graphics due to print media and colour sequence. <i>E. Novotny, R. Szentgyörgyvölgyi, P. Görgényi-Tóth</i>	
10:40-11:10	Coffee break	
11:10-12:50	Session 3 A - Color management	Session 3 B - Printing and sustainability
11:10-11:35	Characteristic analysis of the primary color inks in color print. <i>M. Naredanian, S. Gooran</i>	Printing and environmental sustainability <i>I. Bolanča Mirković, I. Majnarić, M. Jakovljević, Z. Bolanča</i>
11:35-12:00	Predicting the spot colour overprints by regression analysis. <i>K. Deshpande, P. Green</i>	Water conservation and approach to zero liquid discharge (ZLD) in a paper manufacturing plant. - A case study. <i>A. Rajendrakumar, S. Subrahmanyam</i>
12:00-12:25	The benefits of annular illumination or why ring optics provide more accurate measurements. <i>C. Horvath, I. Endredy</i>	Development of innovative sustainable printing practices to reduce VOCs emissions in the SMEs printing industry based on BREF best available techniques. <i>D. Pérez Roselló, S. Otero, V. de Gracia, A. Fuentes, M. J. Müller</i>
12:25-12:50	Extended color gamut printing for flexo packaging. <i>A. Pekarovicova, V. Lovell, G. Sheth, P. Fleming</i>	Recent development in deinkability of digital prints. <i>A. Faul</i>
12:50-14:15	Lunch	

14:15-15:55	Session 4 A - Print quality	Session 4 B - Inkjet applications
14:15-14:40	Characterization of CCD line sensor for applications in on-press density and colour measurement camera systems. <i>P. Prayagi, D. Nowack, M. Schnitzlein, A. Böddicker, C. Mauer, G. Schlegel, A. Hübner</i>	Towards individualized dosing and controlled crystallization - Inkjet printing of drugs and use of porous substrates. <i>A. Mänttinen, N. Sandler, P. Ihalainen, L. Kronberg, A. Meierjohann, T. Viitala, J. Peltonen</i>
14:40-15:05	Modeling local print density variations in rotogravure print. <i>U. Hirn, W. Bauer</i>	Technology and design flow development for inkjet printed electronics. <i>F. Vila, J. Pallarès, Ll. Terés, E. Ramon, E. Díaz Gonzalo, J. Carrabina</i>
15:05-15:30	The influence of UV coating application on printed cardboard surface properties and colourimetric values. <i>I. Karlović, E. Novotny, I. Tomić, D. Novaković</i>	Reproducibility of DoD inkjet printing systems. <i>J. Renner, F. Bircher, G. Schlegel</i>
15:30-15:55	Hybrid printing - print quality mechanisms when offset and inkjet are combined. <i>M. Klamann, E. Blohm, P.-Å. Johansson, J. Lofthus, V. Alecrim, J. Örtengren</i>	Pore structural changes in inkjet coatings by the inclusion of binders and additives. <i>C. Ridgway, V. Kukkamo, P. Gane</i>
15:55-16:25	Coffee break	
16:25-18:05	Session 5 A - Quality assessment	Session 5 B - Flexography
16:25-16:50	Physical evaluation of print quality of color halftone. <i>Li Yang</i>	The influence of printing pressure on flexographic print quality. <i>A. Borbely, R. Szentgyörgyvölgyi</i>
16:50-17:15	The impact of optical brightener on the color perception of halftones. <i>M. Dattner, D. Bohn, P. Urban</i>	A statistical approach to the modelling of ink transmission on flexo-printed sack paper. <i>V. Feirer, U. Hirn, H. Friedl, W. Bauer</i>
17:15-17:40	Application of similarity theory methods for assessing the quality of printed images reproduction. <i>S. Dydysko, T. Pitskhalaury</i>	Impacts on the impression of printed effect pigments. <i>M. Haas, E. Dörsam, E. Kurmakaev, T. Euler, M. Schmitt-Lewen, J. Sonnenschein, I. Fergen</i>
17:40-18:05	Evaluation of image segmentation algorithms for folded substrate analysis. <i>M. Apró, D. Novaković, S. Pál</i>	Influence of flexography inks on optical density of full tone fields and contrast in printing on the biodegradable films. <i>J. Izdebska, H. Podsiadło</i>
19:30-21:00	Evening guided bus tour of central Budapest (Participants and partners)	

Day 3

Tuesday, 13 September 2011

09:00-09:25	Keynote lecture: Determining CIEDE2000 for printing conformance. <i>R. Chung, Ping-hsu Chen</i>	
09:30-11:10	Session 6 A - Printed functionality	Session 6 B - Print substrates
09:30-09:55	Influence and interaction phenomena of screen printing machine settings on surface roughness. <i>I. Petersen, G. Hübner, T. Claypole, E. Jewell</i>	The role of substrate structure on liquid transfer in heatset offset printing. <i>C.-M. Tåg, M. Toivainen, M. Juuti, C. Ridgway, P. Gane</i>
09:55-10:20	RFID antenna printing on offset paper substrate using inkjet and screen-printing technologies. <i>M. J. Müller, S. Otero, V. de Gracia</i>	The effect of coating pore structure and geometry on the drying efficiency of heatset web-offset ink solvent. <i>P. Gerstner, H. Zhang, P. Gane</i>
10:20-10:45	Optimization of aperture size and distance in the insulating mask of a five layer vertical stack forming a fully printed thermoelectric generator. <i>A. Willfahrt, G. Hübner</i>	Film splitting during offset printing - the influence of paper surface properties on film splitting geometry <i>P. Rättö, E. Blohm, G. Chinga Carrasco</i>
10:45-11:10	Smart-Printed-Pack - intelligent packaging container attached with opening detector and paper-based electroluminescent indicator lamp. <i>M. J. Müller, J. Diaz, N. Herranz, D. Perez, S. Otero, V. de Gracia</i>	Nanoscale single and multilayer adsorption of polyelectrolytes to pulp fibers. <i>P. Chandak, L. Csoka, G. Grodzits</i>
11:10-11:35	Coffee break	
11:35-13:15	Session 7 A - Special printing	Session 7 B - Inks and inking
11:35-12:00	Improving the light fastness of sublimation transfer printed polyester substrate. <i>I. Afara, P. Urban, E. Dörsam</i>	Simulation aided design of inkjet systems. <i>P. Marmet, F. Bircher, J. Renner, F. Fässler, P. Haslebach, G. Schlegel</i>
12:00-12:25	Polymer films with watermark for protected printing production. <i>E. Anokhina, M. Dryga, A. Kondratov, E. Bablyuk</i>	Screen printing with effective printing inks. <i>R. Urbas, J. Rozman, M. Klanjšek Gunde</i>
12:25-12:50	Extending the use of fibre based substrates using novel surface treatment methods: case studies. <i>V. Kunnari, A. Kokko, T. Erho, T. Kaljunen, T. Sipiläinen-Malm, M. Keränen</i>	Development of a comparative tool to predict ink misting. <i>L. Vieille-Grosjean</i>
12:50-13:15	Braille dot height impact on the functionality and legibility of the pharmaceutical packaging. <i>G. Golob, B. Rotar, D. Šulc</i>	Printability of thermochromic offset inks and their interactions with dampening solution. <i>O. Panák, B. Jašúrek, J. Vališ, M. Kaplanová, M. Klanjšek Gunde</i>
13:15-14:30	Lunch	
14:30-16:00	General Assembly (Representatives only)	Tour of the National Library
16:00-17:00	Board meeting (Members only)	(Participants and partners)
19:00-22:00	Conference dinner on Danube river (Participants and partners)	

09:00-10:15	Session 8 A - Machinery design	Session 8 B - Publishing and workflow
09:00-09:25	The new technology of perfect binding with vibratory milling heads and investigations of durability of adhesive bonded books. <i>G. Petriaszwili, Y. Pyryev</i>	Analysis of JDF files. <i>T. Hoffmann-Walbeck, S. Riegel</i>
09:25-09:50	A study on the design and processes of gravure offset printing machines for enhanced register precision. <i>J. H. Noh, I. Kim, S. H. Park, J. Jo, D. S. Kim, T. M. Lee</i>	Multiple platform magazine publishing: integration of print and digital content in traditional magazine advertising. <i>N. Gilewicz</i>
09:50-10:15	Two-dimensional digital emulation for alignment of paper sheet in the printing press. <i>R. Moginov, E. Poznyak</i>	Local newspaper publishing: editorial structure and environmental impact - a case study. <i>M. Picha, Å. Moberg</i>
10:15-10:45	Coffee break	
10:45-11:35	Special presentations	
10:45-11:10	Energy efficient solutions in paper production. <i>Z. Szikla (Hamburger Hungaria)</i>	
11:10-11:35	Innovations in security printing. <i>G. Zsomboki (Hungarian State Printing Company)</i>	
11:35-12:25	Session 9 (Plenary) - Media futures	
11:35-12:00	Social media in print - a publishing system for communities. <i>T. Kuula, M. Aikala, J. Hyväkkä, A. Seisto</i>	
12:00-12:25	Exchange rates for media currencies. <i>U. Lindqvist, A. Viljakainen, H. Kuukkanen, P. Järvinen, P. Siltanen</i>	
12:25-12:40	Award for the best paper Presentation of Ljubljana 2012 (Raša Urbas) Closing of the conference (President of iarigai, Conference director)	
12:40-14:00	Lunch	
14:00-	Departures	

Partners program

Sunday, 11 September

Industrial tour and opening ceremony in Debrecen*

Monday, 12 September

Optional visit to the Central market

Evening guided bus tour through central Budapest*

Tuesday, 13 September

Optional bus tour to Vác and Szentendre

Conference dinner on Danube river*

Wednesday, 14 September

Optional guided tour of the Buda Castle

Events marked with * are included in the basic partner's fee
Extra registration will be required for optional tours

Registration fees

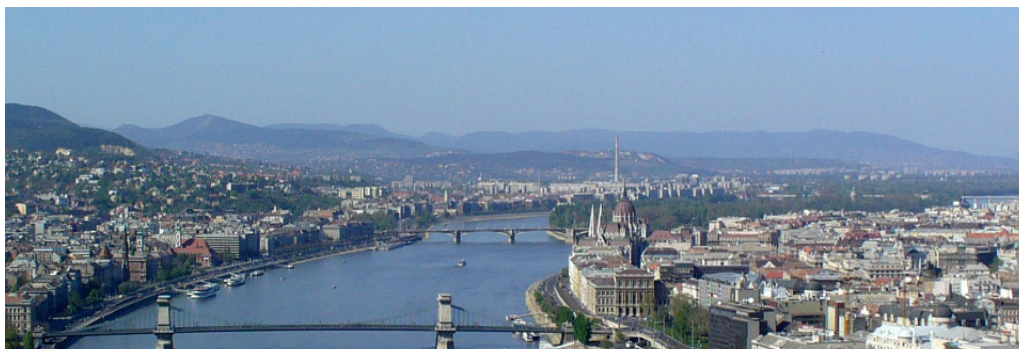
A - iarigai members - speakers	600 €
B - iarigai members - not speakers	700 €
C - non-members of iarigai - speakers	800 €
D - non-members of iarigai - not speakers	900 €
E - Invited guests	only upon invitation
Partners (basic fee)	100 €

For optional partners programs please see the on-line registration form at www.iarigaiconference2011.hu

More information and registrations:

www.iarigaiconference2011.hu and www.iarigai.org

The International Association of Research Organizations for the Information, Media and Graphic Arts Industries (**iarigai**) and PNYME retain the right of changing and/or alternating the conference program. All updates will be published on the above web sites.



The conference is hosted by the Hungarian Technical Association of Paper and Printing Industry (PNYME)

