

## Conference program

Day 1 - Sunday, September 12, 2010

Venue: DoubleTree Plaza Hotel

<b>12:00-14:00</b>	<b>Registration</b>
14:00-14:10	Opening of the conference ( <i>Helene Juhola, André Dion</i> )
14:10-14:20	Introduction of new <b>iarigai</b> members
14:20-14:50	<b>Invited opening lecture:</b> Title to be announced - <i>Hadi Mahabadi (Xerox)</i>
<b>14:50-17:15</b>	<b>Session 1 (Plenary) - Ecofriendly print for a sustainable world</b>
14:50-15:15	How to develop a sustainable strategy for a printing organisation in a global financial meltdown. <i>Rajendrakumar, A., Keppler, G., Harikrishnan, A., Prayagi, K.</i>
15:15-15:40	LCA case study of printed and web based Swedish magazines. <i>Teleman, A., Kronqvist, M., Löfgren, C., Sturges, M.</i>
<b>15:40-16:00</b>	<b>Coffee break</b>
16:00-16:25	Guide for calculating carbon footprint in newspaper production. <i>Weidel, R.</i>
16:25-16:50	Using microwave drying systems in the Graphic Arts. Modern solutions for environmental industrial applications. <i>Tsigonias, M., Ploumi, E., Politis, A., Vekinis, G.</i>
16:50-17:15	Development of innovative sustainable printing practices to reduce VOCs emissions in the SMEs printing industry based on BREF Best Available Techniques. <i>Peréz, D., de Gracia V. et al.</i>
<b>18:00</b>	<b>Welcome cocktails</b>

Day 2 - Monday, September 13, 2010

Venue: ICGQ

08:30-09:00	<b>Keynote lecture:</b> Title and speaker to be announced	
<b>09:00-10:40</b>	<b>Session 2 (Plenary) - Reaching the market</b>	
09:00-09:25	Using consumer preferences in setting the target for product development. <i>Aikala, M., Ojanen, M., Vehmas, K.</i>	
09:25-09:50	A market survey about Variable Data Print (VDP) on fibre-based packaging in North America and Europe. <i>Rehberger, M., Vigne, V.</i>	
09:50-10:15	The challenges of high-speed inkjet printing in the offset world. <i>Lamminmäki, T., Rautkoski, H. et al.</i>	
10:15-10:40	Accessibility and multi-channel publishing: Different aims, similar solutions? <i>Nikolaus, U.</i>	
<b>10:40-11:00</b>	<b>Coffee break</b>	
<b>11:00-12:40</b>	<b>Session 3 A - Quality in printing</b>	<b>Session 3 B - Special printing and special substrates</b>
11:00-11:25	Benchmarking newspaper picture quality. <i>Put, F.</i>	Printing of identification characters on vanishing micro-pattern of plasticized polymers as the means of polygraphic protection. <i>Dzhvarsheishvili, A. et al.</i>
11:25-11:50	Quality measurements in secure offset print production. <i>Bonev, S., Gebhardt R. et al.</i>	Production of colored nanocrystalline cellulose (NCC) films. <i>Canet, C., Vermeulin, A., Ghazayel F. et al.</i>
11:50-12:15	Influence of UVC treatment on sheetfed offset print quality. <i>Bollström, R., Määtänen, A. et al.</i>	UV-sensitive printing ink based on photocatalytically active materials. <i>Sever Škapin, A., Flašker, A. et al.</i>
12:15-12:40	Quality and efficiency enhancement in heatset web-offset drying by adopting thermally designed paper coatings. <i>Gerstener, P., Gane, P.</i>	The impact of paper coatings on printed electronics. <i>Bould, D., Claypole, T., Gethin, D.</i>
<b>12:40-13:50</b>	<b>Lunch</b>	
<b>13:50-15:30</b>	<b>Session 4 A - Screening and image reproduction</b>	<b>Session 4 B - Printed electronics</b>
13:50-14:15	Determination of halftone dot area by color space segmentation. <i>Borbély, Á.</i>	Screen printing of thin, flexible primary and secondary batteries. <i>Wendler, M., Hübner, G., Krebs, M.</i>
14:15-14:40	Deploying wavelet and fractal image processing for smart image dithering. <i>Wool, V.</i>	Fabrication of a printed alkaline battery using the printing method. <i>Henry, A., Williams, S.</i>
14:40-15:05	Research of moiré resistant screens based on quasi regular Penrose mosaic. <i>Katsman, V.</i>	Inkjet printing of catalyst layers used in fuel cells membrane electrode assemblies. <i>Mercier, A-G. et al.</i>
15:05-15:30	Developing a method for controlling the identity of reproduction print. <i>Dydyshko, S.</i>	Manufacturing of modular devices and the concept of functional layer separations. <i>Baumann, R. et al.</i>
<b>15:30-15:50</b>	<b>Coffee break</b>	

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## CONFERENCE PROGRAM – Day 2 (continued)

15:50-17:30	Session 5 A - Workflow and print management	Session 5 B - Extending paper functionality
15:50-16:15	Tailored magazines distribution workflow and data communication between a publisher, a printer and a distribution organisation. <i>Kuusisto, O.</i>	Printed electrodes on tailored paper enable extended functionalization and refinement of paper. <i>Peltonen, J., Määttänen, A., Bollström, R. et al.</i>
16:15-16:40	New method to check the fulfillment of PDF/X and GWG specifications requirements in a prepress system. <i>Fuentes, A., Navarro, J., Otero, S. et al.</i>	Printed bioactive paper production. <i>Jabrane, T., Laloj, M., Dubé, M., Mangin, P.</i>
16:40-17:05	Implementing ISO12646 standards for soft proofing in a standardized printing workflow according to PSO. <i>Sole, A. et al.</i>	Paper-supported assay for the quantification of alkaline phosphatase activity. <i>Williams, S., Clark, D.</i>
17:05-17:30	Improving reliability-based maintenance culture in the printing industry. <i>Horvath, C., Novotny, E.</i>	Factorial experiment to identify significant factors affecting electrical conductivity of blood glucose test strips. <i>Hsieh, Y-C., Cheng, S-Y., Cheng, H-W.</i>
<b>19:00</b>	<b>Evening program: Walk through Old Montreal, Cocktails at the <i>Petit Musée de l'Imprimerie</i></b>	

## Day 3 - Tuesday, September 14, 2010

Venue: ICGQ

08:30-10:10	Session 6 A – Special topics	Session 6 B – Inks and inking
08:30-08:55	Two-dimensional digital emulation for alignment of paper sheet in the printing press. <i>Moginov, R., Poznyak, E.</i>	Ink mist formation in roller trains. <i>Claypole, T., Bould, D., Vlahopoulos, G.</i>
08:55-09:20	The effect of surface properties on the printability of flexographic printing plates. <i>Galton, D. et al.</i>	A laboratory method to characterize and predict ink misting. <i>Savarmand, S., Bousfield, D., Durand R. et al.</i>
09:20-09:45	Ensure product longevity and quality on printing on balloons and other stressed-deformed materials. <i>Erofeeva, A., Bablyuk, E., Kondratov, A.</i>	Influence of gravure process on ink lifting efficiency. <i>Passoja, S., Sneck, A., Shen, Y., Koskinen, J., Roozeman, R.</i>
09:45-10:10	Examination of the factors influencing the adhesion between the layers of laminated plastic cards. <i>Horvath, C., Novotny, E., Endrédi, I.</i>	Light stability of thermochromic prints. <i>Friškovec, M., Kulčar, R., Klanjšek-Gunde, M.</i>
<b>10:10-10:30</b>	<b>Coffee break</b>	
<b>10:30-12:10</b>	<b>Session 7 A - Offset printing issues</b>	<b>Session 7 B - Packaging</b>
10:30-10:55	Effect of blanket properties on web tension in offset printing. <i>Kariniemi, M. et al.</i>	Overprinting of spot colors for flexo packaging. <i>Pekarovicova, A., Lovell, V., Sangmule, S., Fleming, P.</i>
10:55-11:20	Surface and structural properties of EPDM and NBR rubber blankets. <i>Golob, G., Lovreček, M., Mozetič, M. et al.</i>	Influence of atmospheric plasma treatment on surface properties and inkjet printability of plastic packaging film. <i>Lahti, J., Eiroma, K., Tenhunen, T-M. et al.</i>
11:20-11:45	Plate performance defines offset blanket accumulation. <i>Vehmas, K., Passoja, S. et al.</i>	Hybrid media on packages. <i>Lindqvist, U., Federley, M., Hakola, L., Laukkanen, M., Mensonen, A., Viljakainen, A.</i>
11:45-12:10	Dynamic analysis of temporal moisture profiles in heatset printing studied with near infra-red spectroscopy. <i>Täg, C-M., Toiviainen, M. et al.</i>	The assessment of packaging designs. <i>Nurmi, O., Laine, J.</i>
<b>12:10-13:30</b>	<b>Lunch</b>	
<b>13:30-14:45</b>	<b>Session 8 A - Perception of print</b>	<b>Session 8 B - Inkjet printing and proofing</b>
13:30-13:55	Multisensory evaluation of paper products. <i>Mensonen, A., Aikala, M.</i>	Color matching in inkjet proofing using spectral method. <i>Ataeian, A., Sharma, A.</i>
13:55-14:20	Visual perception and colour gamut evaluation of commercial publication paper grades. <i>Lanat, L., Nicander, A.</i>	Evaluation of gray balance and G7 in inkjet proofing of GRACoL and SWOP printing. <i>Habekost, M., Dykopf, R.</i>
14:20-14:45	The influence of special effects on the perception of printed products. <i>Laine, J. et al.</i>	High speed UV inkjet - impact of speed and substrates on print quality. <i>Klaman, M., Johansson P-Å et al.</i>
<b>14:45-15:00</b>	<b>Coffee break</b>	
<b>15:00-15:40</b>	<b>Closing session (Plenary)</b>	
15:00-15:25	<b>Invited presentation - the best paper of the 3<sup>rd</sup> International Student Conference "Printing Future Days", Chemnitz, November 2009:</b> Surface modification of a PCB substrate for better adhesion of inkjet printed circuit structures. <i>Sridhar A. et al.</i>	
15:25-15:40	Presentation of the IARIGAI 2011 conference and closing of the conference (C. <i>Horvath, Helene Juhola</i> )	
<b>15:40-15:45</b>	<b>Break</b>	
15:45-17:00	General Assembly of <i>iarigai</i> (representatives only)	
<b>19:00-20:00</b>	<b>Pointe à Caillière Museum Tour and Multimedia presentation</b>	
<b>20:00-20:30</b>	<b>Cocktails</b>	
<b>20:30-</b>	<b>Conference dinner</b>	