



SEPTEMBER 8-11

LGP2, GRENoble

AN EVENT ORGANISED WITH THE SUPPORT OF



PROGRAM

	TUESDAY 8 SEPTEMBER
18h00	Opening
18h20	Welcoming speech
18h30	Welcoming reception - Wine and Cheese
22h00	End

	WEDNESDAY 9 SEPTEMBER	
8h00	<i>Opening</i>	
8h30	<i>iarigai Conference Opening</i>	
8h45	KEYNOTE - GERHARD DOMANN - FRAUNHOFER ISC - “SUSTAINABLE PRINTED CIRCUIT BOARD TECHNOLOGY - PAPER-BASED PCBS AND BEYOND”	
	<i>Session 1: Printed electronics / integration of electronic devices and sensors with printing processes</i>	
9h25	Inorganic piezoelectric screen-printed layers for MicroElectroMechanicalSystems (MEMS): solutions to reduce the environment footprint	
	<i>Nadia BenCharef Christopher Castro-Chavarria, Bernard Plano, U-Chan Chung, Catherine Elissalde, Joana Pimenta and Hélène Debéda (France)</i>	
9h45	Towards Smarter Everyday objects and structural materials: Integration of Strain and Temperature Sensors via Transfer Printing methods	
	<i>Rafika Selmi</i> , <i>Maelle Reigner, Lo Cheng-Yao, Chen Yu-Wen, Jean-Charles Fustec, France Le Bihan and Maxime Harnois (France)</i>	
10h05	Screen-printed conductive system on fabrics for wearable electronics applications	
	<i>Olga Rac-Rumijowska</i> (Poland)	
10h25	<i>Coffee Break</i>	
10h55	KEYNOTE - VICTOR THÉNOT, TAGEOS - “LEVERAGING PRINTED ELECTRONICS FOR SUSTAINABLE PRODUCT INNOVATION AT TAGEOS ”	
	<i>Session 2: 3D Printing and additive manufacturing</i>	
11h35	Additive Manufacturing of High-Frequency Radiating Devices on Flexible Substrates: From Conformal Electronics to Thermoformed 3D Structures	
	<i>Thibault Boisseau</i> , <i>Marceau Bouchez, Thanh-Vinh Dinh, Sidina Wane, David González Ovejero and Maxime Harnois (France)</i>	
11h55	Embedding Conductive Paths into 3D Objects by Coupling Fused Filament Deposition and Conductive Ink Piezo-Jetting	
	<i>Yiting Wang, Andrea Graziano and Davide Beneventi (France)</i>	
12h15	Towards Scalable 3D Microfabrication: Multi-Nozzle Electrohydrodynamic Printing of Ceramic Inks	
	<i>Yajiao Yang</i> , <i>Marco Hölzle, Cornelia Nef and Fritz Bircher (Switzerland)</i>	
12h35	<i>Lunch</i>	
14h00	KEYNOTE - DANY CAPITAO - PRINT’UP INSTITUTE - “PRINTED ELECTRONICS FOR HEALTHCARE: CHALLENGES AND PROSPECTS”	
	<i>Session 3A: 3D Printing and additive manufacturing (continued)</i>	<i>Session 3B: Functional materials</i>
14h40	3D structures by spark plasma sintering with compliant binder jetted salt moulds	Design and Optimization of a Sustainable Water-Based Ink for Inkjet Printing of Fluorescent Functional Materials
	<i>Anja Rusch and Fritz Bircher</i> (Switzerland)	<i>Elsa Bihel</i> , <i>Aurore Denneulin, Damien Boyer and Anne Blayo (France)</i>
15h00	100 % bio-based 5-(hydroxymethyl)furfural (HMF) and lignin polymers for Liquid Deposition Modelling (LDM) 3D printing	Rheological Behaviour and Printability of Water-Based Model Inks for Screen Printing
	<i>Elliott Bonnet Martin</i> , <i>Michael Lecourt, Davide Beneventi and Aurore Denneulin (France)</i>	<i>Abdullah Javed</i> , <i>Nadège Reverdy-Bruas, Matthieu Robert de Saint Vincent and Céline Martin (France)</i>
15h20	Feasibility of Additively Manufactured ABS-GF and mSLA Resin Embossing Dies for use in Commercial Print Finishing Processes	Paper-based PCB – Cellulosic fibres and functional ink separation towards recycling
	<i>Lee Eldridge</i> (Canada)	<i>Arnel Brzovic</i> , <i>Nathalie Marlin, Denis Curtil, Maria Lupsea, Lenka Svecova and Nadège Reverdy-Bruas (France)</i>
15h40	<i>Coffee Break</i>	

	Session 4: Functional materials (continued)		
16h10	Electrochromic ink based on a cellulosic matrix for fully printed multilayer electrochromic devices		
	Lilou Boutarin, Julien Bras, Daniel Bellet, Aline Rougier and Aurore Denneulin (France)		
16h30	Influence of Carbon Ink Type on the Sensitivity of Screen-Printed Humidity Sensors		
	Maëlle Reigner, Rafika Selmi, Jean-Charles Fustec, Maxime Harnois and France Le Bihan (France)		
17h00	Laboratory visit		
18h45	End of the day		
	THURSDAY 10 SEPTEMBER		
8h00	Opening		
8h30	IC Conference Opening		
8h45	KEYNOTE - JÉRÉMIE VIGUIÉ - LGP2 - «RIBBING OR SHAPING PAPER AND BOARD BY PRINTING: A NOVEL FUNCTIONAL PRINTING APPROACH TO LIGHTWEIGHT PAPER-BASED PACKAGING»		
	Session 5A: Packaging		Session 5B: Future orientations for Print-Media Education
9h25	Advances in Recycling Strategies for Multilayer Food Packaging – Current Approaches to Address Non-Recyclable Packaging Systems		Sustainable printed and integrated electronics - Building the next generation of skills through academia–industry collaboration
	Volker Jansen (Germany)		Nadège Reverdy-Bruas, Delphine Bechevet, Philippe Guaino, Gaël Déprès, Denis Curtil, Jean-Marc Duchamp (Belgium, France)
9h45	Printing stiffeners on corrugated board boxes: a bio-inspired strategy to lighten packaging		Hands-on Student Tutorial: Printing Technology and Applications in Printed Electronics - A “Printed Piano” Case Study
	Maxime Legay, Jérémie Viguie, Isabelle Desloges and Davide Beneventi (France)		Thorsten Euler, Pauline Rothmann-Brumm, Andreas Blaeser (Germany)
10h05	Contextualizing the Emergence of Food Packaging: Processes – Materials – Periods		Emerging Technologies in Printed and Flexible Electronics (PrintElec - Unite!)
	Athanasios Stathopoulos, Marios Tsigonias and Aristotle Tympas (Greece)		Olga Rac-Rumijowska, Patrycja Suchorska-Woźniak, Nadège Reverdy-Bruas, Caterina Soldano, Marco Sangermano, Piergiorgio Rossi (Poland, France, Finland, Italy)
10h25	Coffee Break		
10h55	KEYNOTE - LAETITIA REYNAUD - INTERGRAF - “ECONOMIC OUTLOOK AND CURRENT TRENDS OF THE EU PRINTING INDUSTRY”		
	Session 6A: Packaging (continued)	Session 6B: Future orientations for Print-Media Education (continued)	Session 6C: Design and visual communication
11h35	Functional printing: lightening paper through printing patterns	From Delta-E to CO ₂ e: Bridging the ESG Architecture Gap in Graphic Communication Education through the PRINT Framework	Experimental Research: Colour Synchronization in Digital Printing
	William Pierron and Tugdual Le-Nir (France)	Ganeshkumar Vijayakumar (India)	Vikas Jangra (India)
11h55	Inkjet printing on moulded cellulose with bio-based inks	From Packaging to Learning: Print, Systems, and Technical Education	Non-linear narratives on printed media
	Élise Jacachoury, William Pierron and Anne Blayo (France)	Athanasios Stathopoulos, Marios Tsigonias, Aristotle Tympas (Greece)	Iro Laskari (Greece)
12h15	Protection of print on labels with various overprint varnishes	Developing Competences for Sustainable Thinking through Linked Modules on Circular Economy and Process Design in the Printing and Packaging Industry	Analog Resistance: Why Tactile Design Practices Still Matter in the Age of AI-Generated Graphics
	Prashant Kotkar, Kholoud Al Ajouni and Alexandra Pekarovicova (USA)	Dominik Kantek, Lutz Engisch, Simon Hamblyn, Kilian Menzel (Germany)	Charles T. Weiss (USA)

12h35	Lunch		
14h00	KEYNOTE - SPEAKER TO BE CONFIRMED		
	Session 7A: Process optimization, industrial transition	Session 7B: Emerging technologies and innovation	Session 7C: Design and visual communication (continued)
14h40	Improving bio-based black pigments properties for coldset ink formulations	Inkjet technology with water-based inks chemistry is ready to meet new challenges from August 2026	Generative AI in Premedia Workflows: A Comparative Analysis of AI-Generated Images Against Print-Production Standards
	Jeremy Manificier, Anne Blayo and Agnès Boyer (France)	Enn Kerner (Estonia)	Evgenia Pagani, Andriani Goutou, Marios Tsigonias
15h00	Quantifying dot gain mechanisms in flexographic highlight tones	The Transformation of the Graphic Arts Sector: Emerging Opportunities Through Artificial Intelligence and Machine Learning	Designing Multimodal Print Products: Visual Communication in Tabletop Role-Playing Games
	Sofia Thorman and Cecilia Rydefalk, (Sweden)	Christos Trochoutsos, Gerasimos Vonitsanos, Marios Tsigonias (Greece)	Konstantinos Athanasiou, Iro Laskari (Greece)
15h20	Prediction of gravure printed patterns using fluid splitting regime maps	«The AI Testament»: Anthropic's Claude AI, Figma, Printbox, DynamicsPrint and GelatoConnect within the contemporary Graphic Arts, Printing and Packaging Industry	Accessible Publications: Regulatory Requirements and Problems of Digital Content Distribution for Persons With Disabilities
	Pauline Rothmann-Brumm, Thorsten Euler and Andreas Blaeser (Germany)	Alexandra Vergopoulou, Anastasios Politis (Greece)	Virginijus Valčiukas, Daiva Sajek (Lithuania)
15h40	Coffee Break		
	Session 8A: Process optimization, industrial transition (continued)	Session 8B: Emerging technologies and innovation (continued)	Session 8C: Design and visual communication (continued)
16h10	From Compliance to Comprehension: Making Image Descriptions Useful in Online Retail	Study Of The Influence Of Material Properties On Digital Electrophotographic Print Product Quality And Usage Characteristics	Evaluating the Effectiveness of Publicly Available AI Tools for Automated Image Background Replacement
	Sheilae Siagian, Reem El Asaleh, Lee Eldridge and Deborah Fels (Canada)	Daiva Sajek, Virginijus Valčiukas, Gitana Ginevičienė, Vidas Vainoras (Lithuania)	Ivana Tomić, Ana Buntić, Jelena Vladušić, Sandra Dedijer (Republic of Serbia)
16h30	AI-Driven Optimisation of Printing Production Using Neural Networks within a FAIR Data Framework	Development Of A Natural Moisture Absorber Sachet	The Paradox of Visual Uniqueness: Managing the Non-Reproducibility of AI-Generated Images in Cross-Media Publishing Workflows
	Gerasimos Vonitsanos, Chris Trochoutsos and Marios Tsigonias (Greece)	Madhura Mahajan, Siddhi Dahitule, Siddhant Kamble, Bhavesh Gaikwad, Lokesh Bholane (India)	Andriani Goutou, Evgenia Pagani (Greece)
16h50	Dual-Lever Decarbonisation in Indian Print Manufacturing: A Comparative Pre-Post Empirical Study of Renewable Energy Transition and Paper Supplier Switching Across a 35-Press Cohort	Business and Economics of India's Book Printing Industry: Technology, Supply Chain, and Strategic Positioning	Digital printing applications on scenography - The "HAMAM" Theatrical performance case study
	Ganeshkumar Vijayakumar (India)	Amit Sharma (India)	Anastasios Politis (Greece), Charalambos Sepentzis (Greece)
			Understanding the role of Intelligent Mail Barcode and Informed Delivery in Omni-Channel Campaign Systems
17h10			Kevin R. Howell (USA)
17h30	Conference closure		
19h30	Gala dinner - Restaurant Le Per'Gras		
	FRIDAY 11 SEPTEMBER		
9h40	Visit of the Chartreuse Cellars		