

Pardubice, Czech Republic, 2–5 September 2025

FULL CONFERENCE PROGRAMME

TUESDAY 2ND SEPTEMBER

16.00–19.00	iarigai Board meeting (Board members only) Room C2
19.00–21.00	Welcome reception FONS Gallery

WEDNESDAY 3RD SEPTEMBER

08.00–09.00	Registration	
09.00–09.30	Opening session – iarigai Room C1	
09.00–09.15	Opening of the conference Tomáš Syrový , <i>Conference Director</i>	
09.15–09.30	Welcome address Fritz Bircher , <i>President of iarigai</i>	
09.30–10.30	Session 1 Room C1 Chair: Tomáš Syrový	
09.30–10.00	KEYNOTE – Ultra-high-resolution printing for industrial and bio applications Tomáš Těthal , <i>IQS Group</i>	
10.00–10.30	KEYNOTE – The impact of automation and digitalization on technology purchasing decisions Jana Slováková , <i>KOMFI</i>	
10.30–10.45	Group photo – iarigai	
10.45–11.15	Coffee break	
11.15–12.15	Session 2A Room C1 Chair: Patrick Gane	Session 2B Room C2 Chair: Fritz Bircher
11.15–11.45	A dynamic compression study on nip pressure variation in flexo post-printing Li Yang and <i>Hans Christiansson</i>	Circular large format printing Fons Put and <i>Willem Uyttendaele</i>
11.45–12.15	Mitigating print stripiness in flexographic post-print: the role of pressure distribution and surface topography Sofia Thorman , <i>Hans Christiansson</i> and <i>Anckie Eriksson</i>	Investigations into the substitutability of conventional coatings with coatings based on renewable raw materials in graphic printing Insa-Marie Wickel , <i>Philipp Wüst</i> , <i>Edgar Dörsam</i> and <i>Andreas Blaeser</i>
12.15–13.30	Lunch	
13.30–14.30	Special session – iarigai & IC Room C1 Chair: Thierry Mack	
13.30–14.30	The Sinapse Packaging Productivity Contest Live Final	
14.30–15.00	Coffee break	
15.00–15.30	Session 3 Room C1 Chair: Li Yang	
15.00–15.30	KEYNOTE – AI in flexographic printing Petr Blaško , <i>SOMA</i>	
15.30–17.00	Session 4A Room C1 Chair: Erzsébet Novotny	Session 4B Room C2 Chair: Gorazd Golob
15.30–16.00	Inks based on cellulosic materials for stretchable printed electronics <i>Marie Goizet</i> , <i>Julien Bras</i> , <i>Guillaume Krosnicki</i> and Aurore Denneulin	Tipografia Lousanense — a legacy of 140 years in graphic arts heritage Miguel Sanches , <i>Luís Mota Figueira</i> and <i>Ana do Carmo</i>
16.00–16.30	Comparison, evaluation and development of bio-based screen-printing inks <i>Philipp Wüst</i> , Thorsten Euler , <i>Marcus Bischoff</i> , <i>Dieter Spiehl</i> , <i>Edgar Dörsam</i> and <i>Andreas Blaeser</i>	Carbon black pigments: a carbon footprint assessment Jules De Bardonneche , <i>Jérémy Manificier</i> , <i>Agnès Boyer</i> and <i>Anne Blayo</i>
16.30–17.00	Wetting behavior of laser-structured metallic surfaces for potential use in offset lithography Felix Knödl , <i>Philipp Wüst</i> , <i>Edgar Dörsam</i> and <i>Andreas Blaeser</i>	—
17.00–17.15	Break	
17.15–18.45	iarigai General Assembly (member representatives only) Room C2	
18.45–19.30	iarigai Board meeting (Board members only) Room C2	

THURSDAY 4TH SEPTEMBER

08.00–09.00	Registration	
09.00–09.15	Opening session – IC Room C1	
09.00–09.10	Opening of the conference <i>Tomáš Syrový, Conference Director</i>	
09.10–09.15	Welcome address <i>Anastasios Politis, President of IC</i>	
09.15–10.15	Session 5 Room C1 Chair: Anastasios Politis	
09.15–09.45	KEYNOTE – Trends, strategies and materials in packaging <i>Ladislav Hurdálek, Packaging Innovation Expert</i>	
09.45–10.15	KEYNOTE – Beyond Industry 4.0: the people and technology strategy in packaging <i>Martin Hejl, Thimm Obaly</i>	
10.15–10.30	Group photo – IC	
10.30–11.00	Coffee break	
11.00–12.15	Session 6A Room C1 Chair: Gunter Hübner	Session 6B Room C2 Chair: Tomáš Halenkovič
11.00–11.25	Digital transformation of the graphic arts industry: opportunities and challenges in the era of Industry 4.0 <i>Gerasimos Vonitsanos, Antonios Tsigonias and Marios Tsigonias</i>	Comparative analysis of the quality of accurate printing, using digital printing systems <i>Daiva Sajek, Virginijus Valčiukas, Gitana Ginevičienė and Vidas Vainoras</i>
11.25–11.50	PackPrint Science – The Hellenic center for research and education: a sector-oriented initiative from Greece <i>Anastasios Politis, Marios Tsigonias, Christos Koutrouditsos, Georgios Gamprellis, Ioannis Sofias and Sotiris Stasinopoulos</i>	Prototyping of plates with Braille Dots for the visually impaired with 3D printing technology <i>Zuzanna Żółek-Tryznowska and Joanna Włodarek</i>
11.50–12.15	Bridging print technology and additive manufacturing: a new interdisciplinary study program <i>Lutz Engisch</i>	Development of pouch for time temperarture indicators <i>Madhura Mahajan and Rambabu Atluri</i>
12.15–13.30	Lunch	
13.30–14.20	Session 7A Room C1 Chair: Tomáš Syrový	Session 7B Room C2 Chair: Bohumil Jašúrek
13.30–13.55	Understanding the effects of image customization on response rates for direct mail campaigns <i>Kevin Howell</i>	Alginate blends as a bio-based adhesive for bookbinding application <i>Lukas Jenner</i>
13.55–14.20	Automatic colorization of grayscale images using convolutional neural networks: a small-scale study <i>Aleš Hladník and Mihael Lazar</i>	Thermally conductive composites for FFF 3D printing with hybrid filler – the influence of individual fillers and the amount of filler <i>Petr Roudný, Jana Kašparová, Čestmír Drašar and Tomáš Syrový</i>
14.20–14.50	Coffee break	
14.50–16.05	Session 8A Room C1 Chair: Marios Tsigonias	Session 8B Room C2 Chair: Markéta Držková
14.50–15.15	Transforming offset printing with digital twins and AI: insights from a research initiative <i>Chris Trochoutsos, Alexandros S. Kalafatelis, Panagiotis Trakadas and Anastasios Politis</i>	Sustainable packaging using the design thinking process <i>Charles T. Weiss</i>
15.15–15.40	Enhancing quality and standardisation in flexographic printing: the need to embrace Big Data <i>Enn Kerner</i>	Teaching the history of the book through applied letterpress printing: a classroom experience <i>Kenneth Macro</i>
15.40–16.05	Environmental accounting as a key parameter for the implementation of sustainability strategies in the printing & packaging industry <i>Christos Sarigiannidis and Bassilis Boutsinas</i>	Visual communication for a theatrical performance: what can digital printing do? <i>Charalambos Sepentzis, Sofia Strati, Marios Tsigonias, Antonios Tsigonias and Anastasios Politis</i>
16.05–16.20	Closing session – iarigai & IC Room C1	
16.05–16.20	Wrap up and invitation to the iarigai & IC conferences 2026	
16.20–16.30	Break	
16.30–17.30	IC General Assembly (member representatives only) Room C2	
19.00–22.00	Conference dinner Restaurant Nejen Dvorek	

FRIDAY 5TH SEPTEMBER

8.30–16.00	Conference tour to Litomyšl
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The conference programme as of 1 September 2025.
All sessions take place at the Faculty of Chemical Technology, University of Pardubice, Studentská 573, Rooms C1 & C2.
The additional information is available at the conference website: <https://fcht.upce.cz/en/fcht/iarigai-ic>