Time	Speaker	Presentation	Abstract	Room
8:30 - 9:00	Registration and Breakfast			Galerie 1, First Floor
THEME : SUSTAINABILITY AND ELICIR PROJECT CHAIRE : CHLOÉ BOIS, PH.D., ICI				
9:00 - 9:30	Welcome and Introduction			Espace 4, Fourth Floor
	Chloé Bois, Ph.D. General Manager and Principal Investigator **ICI / ÉLICIR – Regroupement Zone d'Innovation Technum**	Sustainable Printed Electronics / Presentation of the Elicir group	Developing biosourced electronics, produced by additive manufacturing processes, designed for environmentally-friendly end-of-life and compatible with existing recovery chains, and thus combating the creation of new electronic waste.	
	David Myja Researcher **Innofibre**	Introducing Innofibre - Innovation center for cellulose products	Innofibre contributes to the technological acceleration of bioprocesses and bioproducts. The center helps reduce the technological risks associated with industrial process innovation and product diversification, thanks to its multidisciplinary team, specialized analytical laboratories and pilot facilities that are unique in North America.	
	David Gendron Scientific Director **Kemitek**	Scaling Up for a Greener Future : Sustainable Chemistry at Kemitek	Kemitek is a College Center for Technology Transfer (CCTT) specializing in sustainable chemistry and process scale-up. Kemitek collaborates with industries to develop and optimize sustainable chemical processes, helping companies transition from laboratory research to full-scale production. This presentation will highlight how Kemitek focuses on eco-friendly formulations, new materials synthesis, process intensification, and technology transfer, particularly in sectors of polymers for microlectronics and organic electronics, as well as specialty chemicals.	
9:30 - 9:50	**Catherine Marsan-Loyer ing., M Sc. A.** Sustainable Projects Coordinator **C2MI**	Sustainable electronics : Smart cleanrooms for energy and water reduction	The rapidly expanding semiconductor industry remains energy and water intensive. This paper, based on live experiments, demonstrates energy reduction through heat recovery, alternative energy sources, and control systems. It also explores water conservation via categorization, content analysis, available tested treatments and wastewater management for the smartest cleanrooms.	Espace 4, Fourth Floor
9:50 - 10:00	**Tiphaine Fillon** Director, Partnerships and Corporate Affairs **Technum Québec**	Introducing Technum	A world-class innovation zone, Technum Québec aims to increase the commercialization of innovations, exports, local and foreign investment and business productivity through digital technologies.	Espace 4, Fourth Floor
10:00 - 10:20	**William Skene** Professor Department of Chemistry, Institut Courtois **Université de Montréal**	Sustainable devices: from sensors to batteries	Sustainable devices are largely categorized as efficiently using energy during their operation. While such devices indeed provide environmental and economic benefits, their use and end-of-life management are not necessarily sustainable. Toward addressing these issues, it will be presented how polymers from renewable resources can be exploited to make devices that ultimately have improved recyclability. This will be complemented by leveraging structure/property studies for guiding the charging of batteries from renewable sources.	Espace 4, Fourth Floor
10:20 - 10:40	Networking and Coffee break			Galerie 1, First Floor
THEME : FUNCTIONAL INKS CHAIR : RICARDO IZQUIERDO, ING., PH.D., ÉTS				
10:40 - 11:00	**Alexis Laforgue, Ph.D.** Senior Research Officer **National Research Council Canada**	Towards all-printed biodegradable batteries	This presentation will detail the design and fabrication of a Leclanché-type Zn-MnO2 battery whose major polymer components were replaced by biodegradable equivalents. The battery was specifically designed to be fabricated using printing methods to enable low-cost industrial production. Electrochemical performances and biodegradability studies will be presented and discussed.	Espace 4, Fourth Floor
11:00 - 11:20	**Arthur D. Hendsbee Ph.D.** Product Manager **Briliant Matters**	Organic Semiconductor Innovations – Opening New Market Opportunities for OPV	As energy demands rise, organic photovoltaics (OPVs) offer a versatile, rapidly manufactured solution. Lightweight, flexible, and semitransparent, OPVs can be used in agrivoltaics, building integrations, and for indoor applications. This talk will highlight our recent innovations in producing high-quality, cost-effective organic semiconductors, crucial for advancing OPV commercialization.	Espace 4, Fourth Floor
11:20 - 11:40	**Julie Ferrigno Ph.D., Eng.** Lead Applications Engineer Printed Electronics, North America **Henkel**	Inks and processes for high conductive printed circuits	This presentation explores recent materials development for high conductive printed electronics circuits. We will discuss the key properties of these materials, including their conductivity, flexibility, and durability, which are crucial for electronics applications. We will review the various materials used, such as Silver, Silver Plated Copper (SPC), and Water-Based Carbon, discussing their performance and potential for the future of printed electronics. We will also review the different application techniques, like screen printing, gravure and pad printing, highlighting their respective advantages and disadvantages.	Espace 4, Fourth Floor
11:40 - 12:00	**Christophe Sansregret** Printed Electronics and Advance Packaging Process Development Engineer **C2MI**	Additively Manufactured Copper Multilayer Circuits	Our team of researchers has made significant advancements in the field of printed electronics, particularly through the use of copper inks. This innovation not only reduces production costs but also enhances the conductivity and reliability of electronic components. We invite you to discover how these technological developments can add real value to your projects.	Espace 4, Fourth Floor
12:00 - 13:00	Poster / Prototypes Sessions and Networking lunch			Galerie 1, First Floor
13:00 - 13:05	Award ceremony for Best Poster Henkel Grant			Galerie 1, First Floor
THEME : PRINTING PROCESSES CHAIR : ALIREZA SAIDI, PH.D., IRSST				
13:05 - 13:25	**Katarina Ilić** Director of Revenue and Co-Founder **Voltera**	Direct Ink Writing Methods for Printing Silver Conductive Ink on Cotton Fabric	In this project, we explored direct-ink writing methods for printing silver conductive ink directly onto cotton fabric to achieve a prototype that maintained conductivity and stretchability post-curing. These findings enable use cases, such as heated clothing for winter sports, as well as medical devices that improve blood circulation, and more.	Espace 4, Fourth Floor
13:25 - 13:45	**Olivier Ferrand** R&D Engineer **E2IP**	Statistical Process Control (SPC) applied to fine line screen printing	Screen-printing has been used for several hundred years and yet the experts are unable to make it a hard science. This is even worse when it comes to printing fine features (< 50um). Let's try to fit statistical process control methods to improve our screen-printing technics.	Espace 4, Fourth Floor
13:45 - 14:05	**Daniel Gilsdorf** Vice President of Sales – Screen Printing **Sefar**	Specifying Your Screen Build For Optimal Performance	Screen printing is the most versatile printing process, capable of achieving a wide range of ink and paste thicknesses, while maintaining precise reproduction over time. The screen itself plays the key role in ensuring consistency and accuracy in the ink/paste deposit. This session will review how different screen parameters impact the final deposit and provide strategies for optimizing these factors to execute your design flawlessly.	Espace 4, Fourth Floor
DISCUSSION PANEL CHAIR : NGOC DUC TRINH, PH.D., ICI				
14:05 - 15:05	**Ngoc Duc Trinh, Ph. D.** Deputy General Manager **ICI** **Mariia Zhuldybina, Ph.D.** Co-Founder and CEO **TRAQC** **Jaime Alberto Benavides G., Ph.D.** Chemical Engineer and CTO **INKTIO** **Luis Felipe Gerlein R.** M.Sc., Ph.D. Electrical Engineer and CEO **INKTIO** **Malek Jundi, LL.B. Ph.D.** Legal Advisor **Axelys** **Alexandre Caya, ing.** Senior attorney, patent agent **Norton Rose Fulbright**	Discussion Panel : From Academic Research to Startup Creation		Espace 4, Fourth Floor
15:05 - 15:10	Closing Remarks			Espace 4, Fourth Floor