

ÉCOLE D'ÉTÉ INDUSTRIE 4.0 | SUMMER SCHOOL INDUSTRY 4.0

Réseau Innovation 4.0 Network Programme | Program

DAY 1 - August 26		DAY 2 - August 27		DAY 3 - August 28	
9:00	Introductory Remarks (Réseau QC 4.0 – H. Moustapha, ÉTS – C. Despins)	9:00	Keynote “Food Manufacturers who Successfully Embraced IoT and Industry 4.0” (C. Chabert, J-M. Arbour, S. Payette, Worximity)	9:00	Keynote “Maturité numérique des PME québécoises basée sur les audits Industrie 4.0: Besoins technologiques et compétences-clés” (V. Thomasset-Laperriere, Productique Québec)
9:15	Keynote “Industrie 4.0: Getting Started” (K. Schmidt, Siemens)				
10:00	Panel CENTECH (moderated by R. Chénier) “ Démarrer une entreprise en Industrie 4.0 – opportunités et défis ” (4x Industry 4.0 startups)	9:45	“An Open Source Architecture for Real-time Location of Digital Twins for Industrial IoT and Beyond” (B. Pomerleau, J. Dungen, ReelyActive)	9:40	“La valorisation des données machines : théorie et cas concrets” (Jitbase & Alta Precision)
		10:15	“Cloud Computing and Industry 4.0” (M. Gardiner, Microsoft)	10:10	“How to Bolster the Digital Transformation of Innovative Manufacturers?” (F. Gingras, CRIQ)
		10:45	Industrial Resource Revolution: Canada's and Québec's Role in the International Market (Export Dev. Canada (EDC) & Manufacturiers et Exportateurs du Québec (MEQ))	10:30	(M. Ben Ali, Consortium 4.0)
				10:50	“A Pathway Toward the Implementation of a Decision Theater for Forestry Planning: a Case Study in Québec” (T. Boukherroub, ÉTS)
11:15	Coffee break	11:15	Coffee break	11:15	Coffee break
11:30	“Industry 4.0 Supply Chain Management” (M. Kazemi-Zanjani, CU)	11:30	“Impacts du numérique sur le travail” (S. Nadeau, ÉTS)	11:30	“A System of Systems Engineering Perspective on IoT” (F. Coallier, ÉTS)
12:00	“The Application of Machine Learning in Design and Manufacturing” (F. Zhao, McGill)	12:00	“The Importance of Flexible Manufacturing Technologies in Industry 4.0” (R. Wüthrich, CU)	12:00	“Introduction to Agent-Based Modeling for Smart Manufacturing and Logistics” (J-M. Frayet, Polytechnique Montréal)
12:30	Lunch (students - putting up posters)	12:30	Lunch	12:30	Lunch
1:30	“Positionnements stratégiques pour le développement de nouveaux processus, produits et services à l'ère du numérique et de la connectivité” (C. Danjou, Polytechnique Montréal)	1:30	“Transformation numérique de la PME” (L. de Santa-Eulalia, Elaine Mosconi, UdeS)	1:30	“Industry 4.0: From Theory to Practice” FESTO Hands-on Workshop
2:00	“PLM : From Manufacturing Data to Business Intelligence” + Real time virtual lab visit (R. Maranzana, ÉTS)	2:00	“Mesurer la maturité numérique des entreprises” (L. Rivest, ÉTS)		
			“Intelligent Vision Systems and Image Processing ML” (M. Toews, I. Ben Ayed, ÉTS)		
3:00	Coffee break	3:00	Coffee break	2:30	Coffee break
3:15	“APN: A Transformation to Industry 4.0” (Y. Proteau, APN)	3:15	“Industry 4.0: From Theory to Practice” FESTO Hands-on Workshop	2:45	“Industry 4.0: From Theory to Practice” FESTO Hands-on Workshop
4:00	“Industry 4.0: From Theory to Practice” FESTO Hands-on Workshop Introduction				
4:45	“Funding Opportunities for academic-industrial Research” (Mitacs – NSERC)	5:00	“Activités académiques et industrielles pour les étudiants” (Comité étudiants ÉTS 4.0)	4:00	Closing Remarks (ÉTS – C. Samson)
5:15	Networking Cocktail	5:15	Networking Cocktail + Student Poster Exposition & Competition		

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The Innovation 4.0 Network brings together researchers from Concordia University, Université Laval, McGill University, Université de Sherbrooke, Polytechnique Montréal, UQAM, UQTR and ÉTS. Its objective is to promote collaborative research and the sharing of knowledge, resources and infrastructure assets related to Industry 4.0.

It was created in response to the growing need for training, research and technological development in industry.

It provides an incomparable showcase for Québec's achievements and expertise, and for encouraging SMEs and centres of excellence to train a workforce that is equipped to tackle the challenges that Industry 4.0 represents.

VISIT OUR WEBSITE:

www.reseauinnovation4network.com

