

## PROGRAM - Summer School Industry 4.0 – Réseau Innovation 4.0 Network - Québec

Time	DAY 1 - August 26	Time	DAY 2 - August 27	Time	DAY 3 - August 28
9:00	<b>Introductory Remarks</b> (Réseau QC 4.0 – Hany Moustapha / ÉTS – Charles Despins)	9:00	<b>Keynote</b> “Food manufacturers who successfully embraced IIoT and Industry 4.0” (E.A. Lachance, Worximity)	9:00	<b>Keynote</b> (Productique Quebec)
9:15	<b>Keynote</b> Industrie 4.0: Getting Started (K. Schmidt, Siemens)				
10:00	<b>Panel CENTECH</b> (moderated by R. Chenier) “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)“	9:45	Industrial speaker
		10:15	La valorisation des données machines : théorie et cas concrets” (Jitbase & Alta Precision)	10:15	Industrial speaker
		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))	10:45	“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	“Digital transformation of Manufacturing SME” (L. de Santa-Eulalia, Elaine Mosconi, UdeS)	1:30	“Industry 4.0: From theory to practice” <b>FESTO Hands-on Workshop</b>
2:00	“PLM : From Manufacturing data to Business Intelligence” + <b>real time virtual lab visit</b> (R. Maranzana, ÉTS)	2:00	“Mesurer la maturité numérique des entreprises” (L. Rivest, ÉTS)		
		2:30	“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” <b>FESTO Hands-on Workshop</b>	2:45	“Industry 4.0: From theory to practice” <b>FESTO Hands-on Workshop</b>
4:00	“Industry 4.0: From theory to practice” <b>FESTO Hands-on Workshop Introduction</b>				
4:45	“Funding opportunities for academic-industrial research” (Mitacs – NSERC – PROMPT?)	5:00	“Activités académiques et industrielles pour les étudiants” (Comité étudiants ÉTS 4.0)	4:00	Closing Remarks
5:15	Networking Cocktail	5:15	<b>Networking Cocktail + Student Poster Exposition &amp; Competition</b>		

