

Time	December 5th
8:00am-9:00am	Welcome and Opening
9:00am-10:00am	Keynote: Supermind Design - MIT Center for Collective Intelligence Speaker: Kathleen Kennedy, Executive Director, MIT Center for Collective Intelligence
10:00am-10:15am	Break
10:15am-11:15am	Keynote: Advance Model Predictive System Control Using AI and Digital Twins Speakers: Jeff White, CTO - Edge, Chief Technology & Information Office, Dell - Said Tabet, Chief Architect, Emerging Technologies & Ecosystems, Dell Description: Deploying distributed systems at scale in the real-world face multiple challenges including system state uncertainty, limited resource availability, multi-objective optimized outcomes, cybersecurity and safety. Heuristic and cloud-based control methods have proven limited effectiveness in addressing these challenges. Use of Digital Twins and AI techniques including generative, discriminative and reinforcement along with advanced stochastic system modeling can provide a new framework of model predictive control. This discussion will cover the concepts of model based system control and use of advance techniques to manage modern large scale distributed systems.
11:15am-12:00pm	DTC-IIC Update and Collaboration Opportunities Speakers: Dan Isaacs, CTO, DTC - Chuck Byers, CTO, IIC
12:00pm-1:00pm	Lunch
1:00pm-2:15pm	Sustainability Contributing Group Speakers: Bassam Zarkout, IGnPower Inc and Abhijeet Kelkar, GEOOWN
2:15pm-2:30pm	Break
2:30pm-3:15pm	Digital Transformation Working Group Speakers: Bassam Zarkout, IGnPower Inc and Chaisung Lim, Korea Industry 4.0 Association
3:15pm-4:15pm	IIC and DTC Energy / Power Systems // IIC and DTC Communications / Telecommunications Speakers: IIC Energy: Daniel Young, Toshiba and DTC Power Systems: John Reynolds, Agile Fractal Grid and Mike Marshall, DRG Solutions // IIC Communications: David Lou, Huawei and Rajive Joshi, RTI and DTC Telecommunications: John Reynolds, Agile Fractal Grid, Roger Skidmore, EDX Technologies, Inc., and Nicolas Waern, EDX Technologies, Inc.
4:15pm-5:15pm	IIC and DTC Mining Speakers: IIC Mining: Ulrich Graf, Huawei and Jean-Jacques Verhaeghe, Mandela Mining Precinct and DTC Mining: Marcelo Bravo, rsa-tailings

Time	December 6th
7:30am-8:15am	IIC and DTC Healthcare Speakers: IIC Healthcare: Abhijeet Kelkar, GEOOWNN and Takao Futagami, Shinshu University and DTC Healthcare and Life Sciences: Jim St. Clair, Interoperability Institute and Sean Whiteley, Axomem Pte Ltd.
8:30am-9:00am	Welcome, Day 1 Summary and Day 2 Events
9:00am-9:30am	Keynote: Navigating the FAB in the Metaverse – “Need for Speed” Speaker: Urmi Sen, Digital Transformation Executive, Siemens Digital Industries Software
9:30am-10:00am	Keynote: Convergence of Industry 4.0 towards Pharma Manufacturing 4.0 Speaker: Doug Kiehl, Senior Director: Disruptive/Transformative Technologies Team (DT3) and Digital Twin COE, Eli Lilly
10:00am-10:15am	Break
10:15am-11:15am	Cross-Consortia AI Joint Working Group Update Speakers: Dan Isaacs, CTO, DTC - Chuck Byers, CTO, IIC
11:15am-12:00pm	Business Deployment Accelerator with Testbeds and Test Drives including the Time Sensitive Networking Testbed Speakers: Chaisung Lim, Korea Industry 4.0 Association and Florian Frick, University of Stuttgart - ISW
12:00pm-1:30pm	Lunch
1:30pm-2:15pm	Distributed Data Interoperability (DDIM) Task Group Speaker: Kym Watson, Fraunhofer IOSB
2:15pm-2:30pm	Break
2:30pm-3:15pm	Data, Information, Knowledge, and Wisdom Speakers: Eric Simmon, NIST and Chuck Byers, IIC
3:15pm-4:15pm	IIC and DTC Security & Trust // IIC and DTC Manufacturing Speakers: IIC Security and Trust: Keao Caindec, Farallon Technologies and Bob Martin, MITRE and DTC Security and Trustworthiness: Detlev Richter, TUEV SUED Product Service GmbH and David Shaw, Intuitus Corp. // IIC Smart Factory: Tom Doney, AdvME LLC and DTC Manufacturing: Madhu Gaganam, Dell Technologies, Nicolas Waern, EDX Technologies, Inc and Todd Edmunds, Dell Technologies
4:15 PM-4:45 PM	Standards Task Group Speaker: Claude Baudoin (cébé IT &, Knowledge Management)
4:45pm-5:15pm	IIC WGs / TGs
5:15pm-5:45pm	Global Carbon Reporting Infrastructure Speaker: Chaisung Lim, Korea Industry 4.0 Association

Time	December 7th
8:30am-9:00am	Welcome, Day 2 Summary and Day 3 Events
9:00am-10:00am	Keynote: Digital Twin - Intelligent Infrastructure and Transportation Hubs Speaker: Jeff DeCoux, Chairman, Autonomy Institute
10:00am-10:15am	Break
10:15am-11:15am	Keynote: CEIDAR and Living Labs Collaboration Speaker: Andres Carvallo, Co-Director, Connected Infrastructure for Education, Demonstration and Applied Research (CIEDAR) Consortium Description: In his keynote Professor Carvallo will reveal how these new 14 living labs in 800 acres deliver a new digital world with virtually unlimited possibilities. "The CIEDAR LIVING LABS" are a non-stop, on-demand, re-design journey of the business models, business processes, technologies, organizational structures, and applied human capital to seamlessly blend existing and new stand-alone trends such as, Mass Customization, Open Sourcing, Crowdsourcing, eCommerce, Virtualization, Cloud Computing, Mobility, mCommerce, Social Media, Vehicle Electrification, Distributed Generation, Energy Storage, Drones, and Internet of Things into a more reliable, more profitable, and more customer driven utility reality. Professor Carvallo will share how The TXST CIEDAR Living Labs deliver success by committing to pervasive performance applied research management, which helps acceleration use and adoptions of digital innovation for utilities, energy, water, wastewater, cities, transportation, networks, sensors, big Data, and Software.
11:15am-12:00pm	Communications Task Group Speakers: David Lou, Huawei and Rajive Joshi, RTI
12:00pm-1:00pm	Lunch
1:00pm-2:15pm	IIC Leads Meeting Speaker: Chuck Byers - IIC
2:15pm-2:30pm	Break
2:30pm-3:15pm	Joint Summary and Wrap Up Speakers: Dan Isaacs, CTO, DTC - Chuck Byers, CTO, IIC