

8:00 *Conference Check-in*

8:20 *Welcome and Introduction*

8:30 ***Advancing the Energy Revolution***

Donald Sadoway – John F. Elliott Professor of Materials Chemistry, MIT

Rising demand, ageing distribution infrastructure, and general complacency are some of the factors that make the supply of electricity increasingly vulnerable to service failures. Professor Sadoway will describe the weaknesses in the energy supply chain, and look at how future supplies could be generated and distributed.

9:30 ***Not Too Big to Fail: Cyber-Physical Security for Large-Scale Systems***

Saurabh Amin – Assistant Professor of Civil and Environmental Engineering, MIT

Protecting large physical networks such as water systems, electricity grids, and global supply chains against malicious attacks requires new approaches to security policymaking and investing. Professor Amin will map the cyber-physical threat and explore strategies for improving the resilience of these systems.

10:30 *Break*

11:00 ***Lessons From a Worldwide Virtual Classroom***

Chris Caplice – Executive Director, MIT Center for Transportation & Logistics

The on-line educational program developed by MIT CTL, called SCx, opened its doors on September 30, 2014 and attracted some 30,000 students from 186 countries. Dr. Caplice will offer some hard-won lessons about creating the course, and consider the future of virtual supply chain education

12:00 *Lunch*

1:00 ***Logistics in the City of the Near Future***

Edgar Blanco – Research Director, MIT Center for Transportation & Logistics

How to efficiently deliver goods in sprawling urban centers is a major logistics challenge for companies. And the challenge is becoming more difficult as an increasing number of consumers order goods for home delivery. Dr. Blanco will describe last mile solutions that could make city logistics much more manageable.

2:00 ***The Future Shape of Additive Manufacturing***

A. John Hart – Associate Professor of Mechanical Engineering, MIT

Additive manufacturing (AM) processes were first demonstrated more than 25 years ago. However, only recently has broad industrial and consumer interest ignited, opening up new possibilities that range from ubiquitous personal fabrication to the disruption of traditional supply chains. John Hart will explore the evolution of AM, highlight leading applications, and describe emerging trends and issues that will shape the future of AM technology.

3:00 *Break*

3:30 ***The Power of Collaborative Innovation***

Peter Gloor – Research Scientist, MIT Center for Collective Intelligence

Unofficial research groups, often called skunk works, are responsible for many transformative innovations. Dr. Gloor will explain how Collaborative Innovation Networks evolve and how companies can harness their creativity.

4:30 ***Summary Discussion***

5:00 *Adjourn*