

Dr. Hausi A. Müller Professor and Associate Dean Research Department of Computer Science University of Victoria



http://courses.seng.uvic.ca/courses/2015/summer/seng/480a http://courses.seng.uvic.ca/courses/2015/summer/csc/485a http://courses.seng.uvic.ca/courses/2015/summer/csc/586a



### **Announcements**

- Monday, May 18
  - Victoria Day no class
- Thursday, May 21
- Lorena Castañeda ULS
- Monday, May 25
- Lorena Castañeda ULS
- Friday, May 29
- A1 due
- Email addresses for Part III posted
- URL



## **Reading Assignments**

- ULS Book Section 1-3 on-line at
  - http://www.sei.cmu.edu/uls/the\_report.html
- Murray (Ed.): Control in an Information Rich World Report of the Panel on Future Directions in Control, Dynamics, and Systems, SIAM (2003)
  - Chapters 1 & 2
  - http://www.cds.caltech.edu/~murray/cdspanel/report/cdspanel-15aug02.pdf

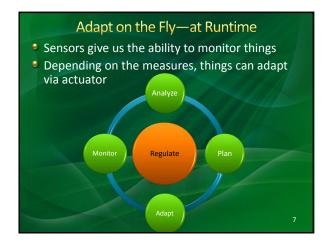
# Groups for A1 Part III GI Ernett Arein, Adri AM, Luuk Yveens C2 Mary Arcinegas Mendez, Nacdeep Bahas, Bichard Wegner GJ Smar Aroza, Allinis Barr, Eva Wide GS Shu Chen, Jonathan Bowan, Cueropay Baharov GS Shu Chen, Jonathan Bowan, Cueropay Baharov GS Harch Barris, Joseph Zendez, Lesinoy Zhang GJ Ghan Dran, Pos A, Chen, Fulta Zhang GJ Ghan Dran, Pos A, Chen, Fulta Zhang GJ Ghan Dran, Pos A, Chen, Fulta Zhang GJ Ghan Brannmann, San Octon, Thomas Zhang GJ Harch Sarrison, March Bord, Lesinoy Zhang GJ Staphan Resemann, San Octon, Thomas Zhu GJ Staphan Resemann, San Octon, Trastry Culture, GJ Staphan Resemann, San Octon, Trastry Culture, GJ Staphan Resemann, San Octon, Trastry Culture, GJ Ramann, San Octon, San Octon,

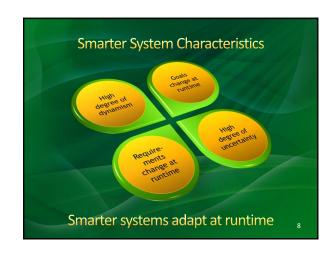
## Terms to study on the web

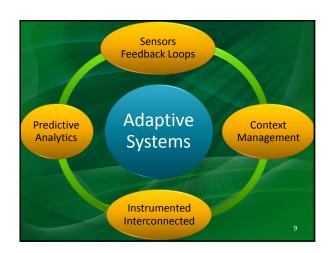


- Internet of things
- Industrial Internet (GE)
- Cyber-physical systems
- Litter leave early systems
- Ultra-large-scale systems
- Digital ecosystem
- Wearable computers
- The age of contextContext awareness
- Situational awareness
- Big data
- Big data analytics

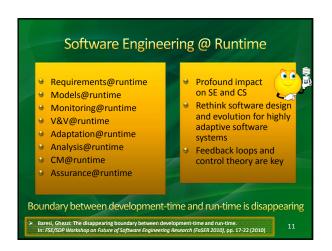
- Ubiquitous computing
- Pervasive computing
- Pervasive computing
- Cloud computing
- Green computing
- Sensors and actuators
- Smart systems
- Google driverless car
- Google glass
- Microsoft Hololens
- iRobot
- Quadcopters

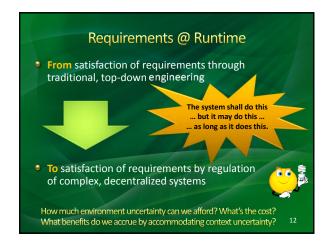




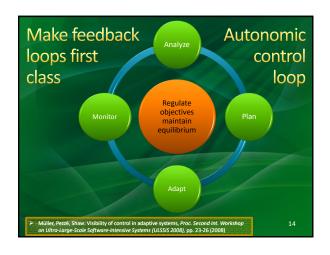


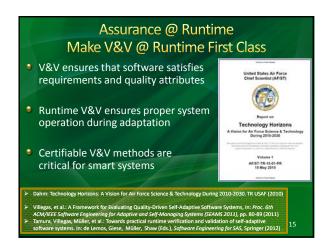


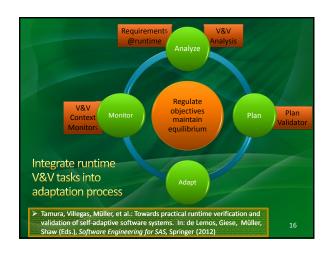


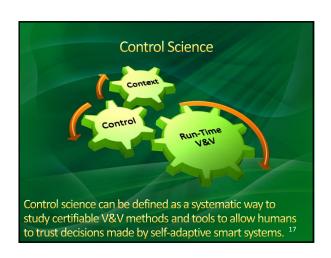






















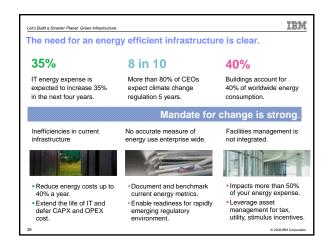


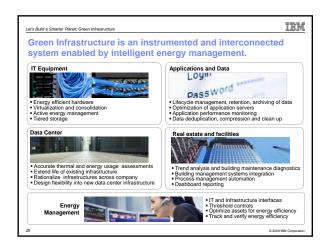


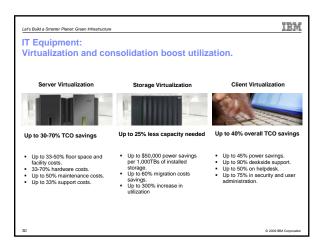


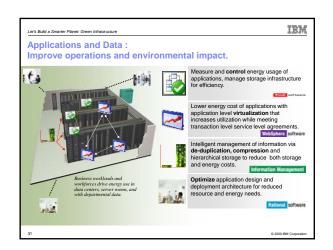


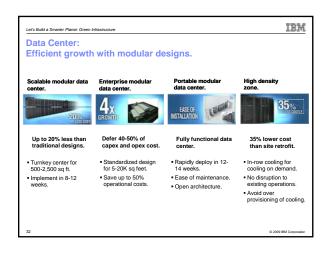


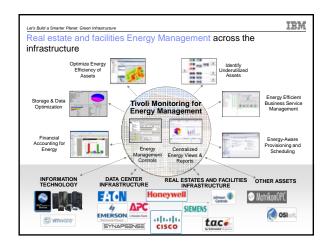


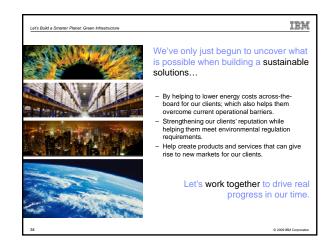












"The world is on the threshold of a new era of innovation and change with the rise of the Industrial Internet."

- Peter C. Evans,
GE Director of Global Strategy and Analytics
- Marco Annunziata,
GE Chief Economist

www.ge.com/sites/default/files/Industrial\_Internet.pdf Nov 2012

Minds + Machines
November 19th, 2012

# The Industrial Internet Economy Canadian Financial Post, May 2013 The seeds of the Industrial Internet are already being planted in the Canadian economy. Sensor technologies are deployed in machinery to monitor equipment operations and manage the schedules and routes of transportation fleets. The Industrial Internet revolution begins with the choices of business visionaries. It will be managed and made valuable by the decision makers who rise to its opportunities.

