

<i>TIME</i>	<i>TOPIC</i>
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**Thursday, May 28, 2015**

**0800 – 0900 BREAKFAST**

0900 – 0930 Welcome and Overview  
*Larry Rohrbough (Berkeley)*

**Research Presentations – Morning Session**

0930 – 0955 Data-Driven Modeling of Human Decision Making Processes  
*Jacob Avery (MIT)*

0955 – 1020 Scalable Tools for Learning Models of Strategic Decision-Making  
*Lillian Ratliff (Berkeley)*

1020 – 1045 Stealthy Epidemics: Modeling Worm Attacks against CPS  
*Aron Laszka (Vanderbilt)*

**1045 – 1100 BREAK**

1100 – 1125 Online Learning on a Continuum  
*Walid Krichene (Berkeley)*

1125 – 1150 Scalable Supervisory Control Approach for Dynamic Cybersecurity  
*Mohammad Rasouli (Michigan)*

1150 – 1215 Approximation Algorithms for Optimization of Large-scale Interdependent Systems: From Supermarket Refrigerators to Electrical Grids  
*Insoon Yang (Berkeley)*

**1215 – 1330 LUNCH / Keynote Talk: Jim Paunicka, Boeing**

**Research Presentations – Afternoon Session**

1330 - 1355 Guarding Networks through Mobile Heterogeneous Guards  
*Waseem Abbas (Vanderbilt)*

1355 – 1420 Sequential Contracts for Uncertain Electricity Resources  
*Hamid Tavafoghi (Michigan)*

1420 – 1445 Approximate Bilevel Programming via Pareto Optimization for Imputation and Control of Optimization and Equilibrium Models  
*Jerome Thai (Berkeley)*

**1445 – 1500 BREAK**

1500 – 1525 Resilient Design and Operation of Urban Water Infrastructure Networks  
*Lina Sela (MIT)*

1525 – 1550 Protecting Virtual Calls in Binary Programs: An Empirical Study From COTS Applications To CPS Applications  
*Chao Zhang (Berkeley)*

1550 – 1615 Differential Privacy of Populations in Routing Games  
*Roy Dong (Berkeley)*

**1615 – 1700 Research Work in Progress Session**

*Yashovardhan Chati, (MIT); Ali Kakhbod (MIT); Istvan Madari (Vanderbilt); Erik Miebling (Michigan)*

**1700 NETWORKING RECEPTION**

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**Friday, May 29, 2015**

**0730 – 0830      BREAKFAST**

0830 – 0930      Welcome and Program Highlights  
*Shankar Sastry (Berkeley); Larry Rohrbough (Berkeley)*

**0930 – 0945      BREAK**

**0945 – 1145      *FORCES Student Council Convenes in Breakout Room***

0945 – 1015      Distributed Control of Electricity Distribution Networks in the Face of DER Disruptions  
*Saurabh Amin (MIT)*

1015 – 1045      Resilient Monitoring, Diagnosis, Control, and Security Codesign for CPS  
*Gabor Karsai (Vanderbilt)*

1045 – 1115      Distributed Online Learning in Multi-Agent Systems  
*Alex Bayen (Berkeley)*

1115 – 1145      Secure Estimation-based Kalman Filter for Cyber-Physical Systems Against Adversarial Attacks  
*Claire Tomlin (Berkeley)*

**1145 – 1300      LUNCH**

1300 – 1330      FORCES Education and Outreach  
*Aimée Tabor (Berkeley)*

1330 – 1400      Towards Security in Cyber Physical Systems  
*Dawn Song (Berkeley)*

1400 – 1430      Informational Braess Paradox: The Impact of Information on Traffic Congestion  
*Asu Ozdaglar (MIT)*

**1430 – 1445      BREAK**

1445 – 1515      Economics of Resource Allocation for CPS in the Presence of Strategic Attacks  
*Galina Schwartz (Berkeley)*

1515 – 1545      Societal Scale CPS Systems: Privacy Aware Incentive Design  
*Shankar Sastry (Berkeley)*

1545 – 1630      Discussion with Advisory Board Members

1630              **Meeting End**