MIST 2015 Program

October 16, 2015

8:20 AM - 8:30 AM: Opening Remarks

8:30 AM - 10:45 AM: Workshop Session #1 (Regular Presentations)
Session Chair: Prof. Fang-Yie Leu (Thunghai University, Taiwan)

- **Insider Threats: Identifying Anomalous Human Behaviour in Heterogeneous Systems Using Beneficial Intelligent Software (Benware)**
  Andrew Stephen (Durham University):
  Budi Arief (Newcastle University):
  David Wall (Durham University):
  John Brennan (Durham University):
  Carl Gamble (Newcastle University):
  John Fitzgerald (Newcastle University):
  Aad van Moorsel (Newcastle University):
  Sujeewa Alwis (Insighlytics Ltd):
  Georgios Theodoropoulos (Durham University):
  Ed Ruck-Keene (Durham University)

- **Detecting Insider Threat from Enterprise Social and Online Activity Data**
  Gaurang Gavai (Palo Alto Research Center):
  Sricharan Kumar (Palo Alto Research Center):
  Rob Rolleston (Palo Alto Research Center):
  David Gunning (Palo Alto Research Center):
  Mudita Singhal (Palo Alto Research Center):
  John Hanley (Palo Alto Research Center)

- **Modelling Social–Technical Attacks with Timed Automata**
  Nicolas David (University of Nantes):
  Alexandre David (Aalborg University):
  Rene Rydhof Hansen (Aalborg University):
  Kim G. Larsen (Aalborg University):
  Axel Legay (INRIA):
  Mads Chr Olesen (Aalborg University):
  Christian W. Probst (Technical University of Denmark)
• **Novel Insider Threat Techniques: Automation and Generation of Ad Hoc Digital Evidence**
  Arcangelo Castiglione (University of Salerno):
  Alfredo De Santis (University of Salerno):
  Barbara Masucci (University of Salerno):
  Francesco Palmieri (University of Salerno):
  Raffaele Pizzolante (University of Salerno):
  Aniello Castiglione (University of Salerno)

• **Mobile App Security Assessment with the MAVeriC Dynamic Analysis Module**
  Alessandro Armando (DIBRIS - University of Genova):
  Gianluca Bocci (Poste Italiane S.p.A.):
  Gabriele Costa (University of Genova):
  Rocco Mammoliti (Security and Safety, Poste Italiane SpA):
  Alessio Merlo (DIBRIS- University of Genoa):
  Silvio Ranise (FBK-Irst):
  Riccardo Traverso (FBK-Irst):
  Andrea Valenza (DIBRIS - University of Genoa)

10:45 AM - 11:10 AM: Break Time

11:10 AM - 12:30 PM: Workshop Session #2 (Keynote Address)
    Session Chair: Dr. Christian W. Probst (Technical University of Denmark, Denmark)

    • **Detecting Insider Threats: Who Is Winning the Game?**
      William (Bill) Claycomb (Software Engineering Institute, Carnegie Mellon University)

12:30 AM - 02:00 PM: Lunch

2:00 PM - 3:40 PM: Workshop Session #3 (Best Paper & Panel Discussion)
    Session Chair: Prof. Kyung Hyun Rhee (Pukyung National University, Republic of Korea)

    • [Best Paper] **Compliance Control: Managed Vulnerability Surface in Social-Technological Systems via Signaling Games**
      William Casey (CMU/SEI):
      Quanyan Zhu (NYU Polytechnic):
      Jose Andre Morales (CMU/SEI):
      Bud Mishra (NYU Courant Institute)
• **Secure Power Management Scheme for WSN**  
  Kunlin Tsai (Tunghai University);  
  Mengyuan Ye (Tunghai University);  
  Fang-Yie Leu (Tunghai University)

• **SKETURE: A Sketch-based Packet Analysis Tool**  
  Sherenaz Al-Haj Baddar (University of Jordan);  
  Alessio Merlo (DIBRIS- University of Genoa);  
  Mauro Migliardi (University of Padua)

• **Towards Insider Threat Detection Using Psychophysiological Signals**  
  Yassir Hashem (University of North Texas);  
  Hassan Takabi (University of North Texas);  
  Ram Dantu (University of North Texas);  
  Mohammad Ghasemigol (University of North Texas)

• **A Preliminary Cyber Ontology for Insider Threats in the Financial Sector**  
  Gökhan Kul (The State University of New York at Buffalo);  
  Shambhu Upadhyaya (The State University of New York at Buffalo)

3:40 AM – 4:00 PM: Break Time

4:00 PM – 5:00 PM: Workshop Session #4 (Panel Discussion)  
Session Chair: Kangbin Yim (Soonchunhyang University, Republic of Korea)

• **Cyber Threats to Industrial Control Systems**  
  Kangbin Yim (Soonchunhyang University);  
  Aniello Castiglione (University of Salerno);  
  Jeong Hyun Yi (Soongsil University);  
  Mauro Migliardi (University of Padua);  
  Ilsun You (Soonchunhyang University)