CALL FOR PAPER AND PARTICIPATION

The International Workshop on Infrastructure Assurance
(jointly held with IFIP TM2010)  
AIINA, Morioka, Iwate, Japan  
June 14th, 2010

Web: http://iwia2010.ewu.edu/

Infrastructure assurance is very critical in our societies, thus is considered as one of the highest priorities. Its major objective is to monitor, protect and prevent from natural and inflicted disasters by exploiting various expertises across disciplines. In order to approach this issue, synergistic combination of such expertises must be fostered effectively and efficiently in many different aspects.

This workshop will gather experts from all over the world who share the concern on infrastructure assurance and will provide a forum to exchange ideas and to promote discussions. Here, we mean assurance by a total consideration of security, privacy and trust in many different scientific point of view – e.g. physical, informational, computational, managerial, cognitive, behavioral, and social. The ultimate goal is to establish a new science, as well as engineering, of assurance. We consider various infrastructures for this: physical (airports, railroad, utility grids) and cyber (the Internet).

Knowing its interdisciplinary nature and needs of various synergistic combination of expertises among many different sciences, we call for position papers that directly address issues related to infrastructure assurance and suggest approaches and directions.

Any topics that are strongly related to infrastructure assurance are considered in the following broad aspects. Prospective authors should submit position papers for solutions and frameworks that highly likely lead us to future breakthrough, ideally as a result of synergistic combination of different sciences. Each position paper should consist of at least 4 pages but should not exceed 20 pages (6-8 pages recommended). Visit the workshop web site for details.

Technological aspects such as sensing, surveillance, monitoring, data analysis, pattern recognition, machine learning, reasoning, knowledge management, visualization, data mining, cryptography, wireless networks, network security, mobile computing, embedded systems, formal methods, semantic web, intelligent agents, fault tolerant, database, network protocols, biometrics, biosignals, etc.

Social, organizational and managerial aspects such as policy management, social networking, risk management, economic analysis, sociology, social engineering, awareness promotion and training, identity management, legal matters, anonymity, privacy, emergency information management, econometrics, etc.

Cognitive and emotional aspects such as psychology of trust, cognitive models, emotional models, kansei engineering, ergonomics, human communication, etc.

Important Dates:

- Workshop web site available: February 1st, 2010
- Online submission open: March 15th, 2010
- Submission deadline: March 31st, 2010
- Acceptance notification: April 15th, 2010
- Camera-ready deadline: May 1st, 2010
- Workshop (1 day): June 14th, 2010

Contact: Atsushi Inoue, Eastern Washington University, USA  
atsushi.inoue@ewu.edu
Organization:

Organizing Chairs:
   Atsushi Inoue, Eastern Washington University, USA
   Yoshitaka Shibata, Iwate Prefectural University, Japan

Executive Advisory Chairs:
   Masaaki Ishigame, Iwate Prefectural University, Japan
   Paul Schimpf, Eastern Washington University, USA

Program Committee (candidate list):
   Masaaki Ishigame, Iwate Prefectural University, Japan
   Yuko Murayama, Iwate Prefectural University, Japan
   Yoshitaka Shibata, Iwate Prefectural University, Japan
   Yasuhiro Fujihara, Iwate Prefectural University, Japan
   Toshio Saito, Iwate Prefectural University, Japan
   Carl Hauser, Washington State University, USA,
   Atsushi Inoue, Eastern Washington University, USA
   Paul Schimpf, Eastern Washington University, USA
   Duanning Zhou, Eastern Washington University, USA
   Christian Hansen, Eastern Washington University, USA
   Veni Madhavan, Indian Institute of Science, Bangalore, India
   Indranil Sengupta, Indian Institute of Technology, Kharagpur, India
   Joydeb Chattopadhyay, Advanced System Laboratory, India
   Raja Datta, Indian Institute of Technology Kharagpur, India
   Nabendu Chaki, University of Calcutta, India
   Anupam Joshi, IBM Research, India/UMBC, India/USA
   Ratnajit Bhattacharya, Indian Institute of Technology Guwahati, India
   Nabil Adam, DHS/Rutgers University, USA
   Ehab Al-Shaer, University of North Carolina, Charlotte, USA
   Elisa Bertino, Purdue University, USA
   Sajal Das, NSF/UT Arlington, USA
   Tim Finin, UMBC, USA
   Anura Jayasumana, Colorado State Univ, USA
   Krishna Kant, NSF/Intel Research, USA
   David Kotz, Dartmouth College, USA
   Sharad Mehrotra, UC Irvine, USA
   Nageshwar Rao, Oak Ridge National Lab, USA
   Bhavani Thuraisingham, UT Dallas, USA
   Shambhu Upadhyaya, SUNY Buffalo, USA
   Xindong Wu, University of Vermont, USA
   Nan Zhang, George Washington University, USA
   Adrian Perrig, Carnegie Mellon University, USA
   Rahul Telang, Carnegie Mellon University, USA
   Nicholas Christin, Carnegie Mellon University, USA
   Shizuo Asogawa, Kyoto University, Japan
   Hiroaki Takakura, Kyoto University, Japan
   Keiji Takeda, Keio University, Japan
   Dvar Pishva, Ritsumeikan Asia-Pacific University, Japan
   Isao Hayashi, Kansai University, Japan
   Takashi Kobayashi, Kansai University, Japan
   Toshiaki Maeda, Hannan University, Japan
   Yoshinori Arai, Tokyo Polytechnic University, Japan
   Patrick Miller, Raytheon-SI, USA
   Hiroaki Yuze, Shizuoka University, Japan