

Third International Conference on Emerging Security Technologies (EST-2012)



September 5-7, 2012, Lisbon, Portugal

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Adrian Stoica, NASA, USA

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The Emerging Security Technologies (EST) Conference is a leading Euro-Asia technology forum dedicated to the presentation and discussion of new ideas and concepts in emerging technologies that span applications from personal biometrics to national security. Previous EST Conferences were organized in Canterbury, UK, in 2010 and Preston, UK, in 2011, while precursor meetings, the International Symposium on Defense and Security, ISDS-2006, was held in Iasi, Romania, and the Bio-inspired Learning and Intelligent Systems for Security Symposia, BLISS 2007-2009, were held in Edinburgh, UK.

The conference invites security-oriented contributions in information technologies, robotics, cognitive systems, biotechnologies, and nanotechnologies. Concepts, hardware and software implementations are equally welcome. As in the past, we invite papers covering biometrics, image processing, robotic and unmanned vehicles' system security, hardware security, as well as Internet and cyber-security (e.g., detection and prevention of cyber-crimes and identity theft). More specifically, for EST-2012 topics of interest include (but are not limited to):

TECHNOLOGY FIELDS:		APPLICATION AREAS:	
Adaptive methods	Machine learning	Air and space security	Human-centric systems
Anti-tamper technologies	Mobile hotspots	Crime detection and prevention	ID and biometric security
Autonomous systems	Modeling and simulation	Critical infrastructure systems	Information hiding
Behavioral biometrics	Multi-spectral processing	Cyber-physical security	IP protection
Bio-inspired technologies	Pattern recognition and classification techniques	Cyberspace security	Intrusion detection
Cancelable biometrics	Physiological biometrics	Data center virtualization	Medical devices
Cognitive biometrics	Prediction techniques	Decision support systems	Mobile computing and infotainment systems
Compressive sampling	Probabilistic methods	Detection and prevention of identity theft	P2P commerce
Computer vision	Reverse engineering	Digital rights management	Perimeter, border and homeland security
Cryptography	Secure dedicated ASIC	Distributed authentication	Personal and legal records management
Decision-making systems	Secure FPGA	Early warning systems	Public utilities and transit
Detection and tracking	Sensor and information fusion	Embedded security	Remote sensing, monitoring, surveillance
Detectors and sensors	Soft-computing methods	Emergency response systems	Tele-healthcare
Distributed computing	Steganography	Financial systems	Training systems
Encryption ciphers	System engineering	Geographical information systems (GIS)	Wireless security
Forensics	Trusted ICs	Grid and cloud computing	
Formal verification			
Intelligent Systems			

Prospective authors are invited to submit their papers electronically through the conference website (4 pages in IEEE conference format). The papers will be reviewed by 3 reviewers for technical merit and content and the accepted papers will appear in the proceedings, to be published by IEEE Computer Society Press. A number of papers will be selected for publication in journals, including in the Journal of Ambient Intelligence and Humanized Computing, published by Springer, and in the SERSC open access journals.

We encourage proposals to organize Workshops, Special Sessions, or Tutorials. These must be related to trending topics within the conference scope. All submitted papers undergo the same review process.

Important Dates (more details on the website):

February 26, 2012: Deadline for proposals for Workshops, Special Sessions, or Tutorials

April 30, 2012: Deadline for submission of full-length papers

May 15, 2012: Author notification

June 8, 2012: Deadline for final camera-ready papers

For further information please check the conference website at

www.est-2012.info