

# EISIC 2017 Conference Program Overview

Monday, September 11, 2017		
08:15-08:30	Bus from Semiramis Hotel to Conference Venue	
08:30-09:00	Registration	
09:00-09:30	<b>Opening: Welcome Session</b>	Room: Auditorium
09:30-10:30	<b>Keynote: Active user authentication on mobile devices</b> Speaker: Vishal M. Patel	Room: Auditorium
10:30-11:00	Coffee Break / Poster Session	Foyer
11:00-13:00	<b>Session: Tools and Techniques for Analyzing Data I</b>	Room: Seminar Room 1
	<b>Session: Criminal Intelligence Analysis</b>	Room: Seminar Room 2
13:00-14:00	Lunch Break	Officers' Club
14:00-15:00	<b>Keynote: TBA</b> Speaker: George Papaprodromou	Room: Auditorium
15:00-15:30	Coffee Break / Poster Session	Foyer
15:30-17:00	<b>Session: Tools and Techniques for Analyzing Data II</b>	Room: Seminar Room 1
17:00-17:15	Bus from Conference Venue to Semiramis Hotel	
19:15-19:30	Bus from Semiramis Hotel to Hellenic Air Force Museum and Hellenic Officer's Club	
19:30-22:15	<b>Social Event:</b> Hellenic Air Force Museum Visit, Reception at Officer's Club, Dekelia Air Base	
22:15-22:30	Bus from Officers' Club to Semiramis Hotel	

Tuesday, September 12, 2017		
08:15-08:30	Bus from Semiramis Hotel to Conference Venue	
08:30-09:00	Registration	
09:00-10:30	<b>Panel: Ethical Dilemmas in Intelligence Analysis: Implications for Systems and Operations</b> Chairs: B.L. William Wong & Ioanna Lekea	Room: Auditorium
10:30-11:00	Coffee Break	Foyer
11:30-13:00	<b>Tutorial: Ethical Dilemmas in intel analysis and operations and implications for systems design and development: individual rights vs. security of society</b>	Room: Seminar Room 1
	<b>Session: Criminal Analysis &amp; Detection I</b>	Room: Seminar Room 2
13:00-14:00	Lunch Break	Officers' Club
14:00-15:00	<b>Keynote: TBA</b> Speaker: Spyros Papageorgiou	Room: Auditorium
15:00-15:30	Coffee Break	Foyer
15:30-16:30	<b>Session: Tools and Techniques for Analyzing Data III</b>	Room: Seminar Room 1
	<b>Session: Criminal Analysis &amp; Detection II</b>	Room: Seminar Room 2
16:30-16:45	Bus from Conference Venue to Semiramis Hotel	
TBA	Kifisia Metro Station to Evangelismos Metro Station (Detailed instructions in Full Conference Program)	
19:30-21:30	<b>Social Event:</b> Gala Dinner at Hellenic Armed Forces Officers Club (Rigillis 1 & Vasilissis Sofias (Pavlos Melas Square), Athens 10675)	

Wednesday, September 13, 2017		
08:15-08:30	Bus from Semiramis Hotel to Conference Venue	
08:30-09:00	Registration	
09:00-10:00	<b>Keynote: Modelling of Supply Chain Service Systems' Security</b> Speaker: Christos Douligeris	Room: Auditorium
10:00-10:30	Coffee Break	Foyer
10:30-12:30	<b>Session: Models and Tools for Intelligent Decision Making</b>	Room: Seminar Room 1
	<b>Session: Criminal Analysis &amp; Detection III</b>	Room: Seminar Room 2
12:30-13:30	Lunch Break	Officers' Club
13:45-14:00	Bus from Conference Venue to Semiramis Hotel	

# EISIC 2017 Detailed Conference Program

Monday, September 11, 2017	
08:15-08:30	Bus from Semiramis Hotel to Conference Venue
08:30-09:00	Registration
09:00-09:30	<b>Opening: Welcome Session</b> Auditorium
09:30-10:30	<b>Keynote: Active user authentication on mobile devices</b> Speaker: Vishal M. Patel, Auditorium, Chair: TBA
10:30-11:00	Coffee Break / Poster Session
11:00-13:00	<b>Session: Tools and Techniques for Analyzing Data I</b>
Seminar Room 1	Chair: TBA
	<b>Cyberbullying System Detection and Analysis</b> Mourad Oussalah
	<b>Gender Classification with Data Independent Features in Multiple Languages</b> Lisa Kaati, Tim Isbister, and Katie Cohen
	<b>Author Profiling in the Wild</b> Lisa Kaati, Maria Svensson, and Elias Lundeqvist
	<b>Are we really that close together? Tracing and discussing similarities and differences between Greek terrorist groups using cluster analysis</b> Ioanna Lekea and Panagiotis Karampelas
11:00-13:00	<b>Session: Criminal Intelligence Analysis</b>
Seminar Room 2	Chair: TBA
	<b>An Inconvenient Truth: Algorithmic Transparency &amp; Accountability in Criminal Intelligence Profiling</b> Erik Zouave and Thomas Marquenie
	<b>How Analysts Think: Navigating Uncertainty - How do Criminal Intelligence Analysts recognise and manage significant information?</b> Celeste Groenewald
	<b>A Survey of Intelligence Analysts' Perceptions of Analytic Tools</b> Mandeep K. Dhami
	<b>Behavioural &amp; Tempo-Spatial Knowledge Graph for Crime matching through Associative Questioning and Graph theory</b> Nadeem Qazi, B.L. William Wong, and Neesha Kodagoda
	<b>Behavioural Markers: Bridging the Gap Between Art of Analysis and Science of Analytics In Criminal Intelligence</b> Junayed Islam and B. L. William Wong
13:00-14:00	Lunch Break Officers' Club
14:00-15:00	<b>Keynote: TBA</b> Speaker: George Papaprodromou, Auditorium, Chair: TBA
15:00-15:30	Coffee Break / Poster Session
15:30-17:00	<b>Session: Tools and Techniques for Analyzing Data II</b>
Seminar Room 1	Chair: TBA
	<b>Adversarial Machine Learning in Malware Detection: Arms Race between Evasion Attack and Defense</b> Yanfang Ye, Lingwei Chen, and Thirimachos Bourlai
	<b>Text mining in unclean, noisy or scrambled datasets for digital forensics analytics</b> Konstantinos Xylogiannopoulos, Panagiotis Karampelas, and Reda Alhajj
	<b>Detecting periodic subsequences in cyber security data</b> Matthew Price-Williams, Nick Heard, and Melissa Turcotte
17:00-17:15	Bus from Conference Venue to Semiramis Hotel
19:15-19:30	Bus from Semiramis Hotel to Hellenic Air Force Museum and Hellenic Officer's Club
19:30-22:15	<b>Social Event:</b> Hellenic Air Force Museum Visit, Reception at Officer's Club, Dekelia Air Base
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## Tuesday, September 12, 2017

08:15-08:30	Bus from Semiramis Hotel to Conference Venue
08:30-09:00	Registration
09:00-10:30	<b>Panel: Ethical Dilemmas in Intelligence Analysis: Implications for Systems and Operations</b> Chairs: B.L. William Wong & Ioanna Lekea
10:30-11:00	Coffee Break
11:00-13:00	<b>Tutorial: Ethical Dilemmas in intel analysis and operations and implications for systems design and development: individual rights vs. security of society</b>
Seminar Room 1	Chair: B.L. William Wong & Ioanna Lekea
	<b>Part I</b> Introduction to ethical principles and ethical issues in intelligence analysis and counter-terrorism - this will be based on a series of short lectures given by some members of the panel to introduce tutorial participants on how to recognise ethical issues and the dilemmas they present
	<b>Part II</b> The participants will be divided into groups, they will be given one case study / simulation, with the aim to identify and explain the ethical issues. At the end of the session, all groups would come together to present their findings and what lessons they have learnt.
11:00-13:00	<b>Session: Criminal Analysis &amp; Detection I</b>
Seminar Room 2	Chair: TBA
	<b>Detecting Crime Series Based on Route Estimation and Behavioral Similarity</b> Anton Borg and Martin Boldt
	<b>An integrated framework for the timely detection of petty crimes</b> Nikolaos Dimitriou, George Kioumourtzis, Anargyros Sideris, Georgios Stavropoulos, Evdoxia Taka, Nikolaos Zotos, George Leventakis, and Dimitrios Tzouvaras
	<b>A statistical method for detecting significant temporal hotspots using LISA statistics</b> Martin Boldt and Anton Borg
13:00-14:00	Lunch Break Officers' Club
14:00-15:00	<b>Keynote: TBA</b> Speaker: Spyros Papageorgiou, Auditorium, Chair: TBA
15:00-15:30	Coffee Break / Poster Session
15:30-16:30	<b>Session: Tools and Techniques for Analyzing Data III</b>
Seminar Room 1	Chair: TBA
	<b>IoT Data Profiles - The routines of your life reveals who you are</b> Lisa Kaati, Johan Fernquist, and Torbjörn Fångström
	<b>Interpretable, Probabilistic Divisive Clustering of Large Node-Attributed Networks</b> Adam Ruul and Lisa Kaati
15:30-16:30	<b>Session: Criminal Analysis &amp; Detection II</b>
Seminar Room 2	Chair: TBA
	<b>Towards a breakthrough speaker identification approach for law enforcement agencies</b> Khaled Khelif, Yann Mombrun, Farhan Sahito, Gideon Hazzani, Petr Motlicek, Gerhard Backfried, Damien Kelly, Luca Scarpato, and Emmanouil Chatzigavriil
	<b>Period Analysis and Trend Forecast of Terrorism in SCO Region by Wavelet Transform</b> Ze Li, Duoyong Sun, Renqi Zhu, and Bo Li
16:30-16:45	Bus from Conference Venue to Semiramis Hotel
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10:00-10:30	Coffee Break
10:30-12:30	<b>Session: Models and Tools for Intelligent Decision Making</b>
Seminar Room 1	Chair: TBA
	<b>Cyber Threat Intelligence Model: An Overview of Taxonomies, Sharing Standards, and Ontologies within Cyber Threat Intelligence</b> Vasileios Mavroeidis and Siri Bromander
	<b>Large Scale Data Collection of Tattoo-Based Biometric Data from Social-Media Websites</b> Michael Martin, Jeremy Dawson, and Thirimachos Bourlai
	<b>A Framework for Measuring Imagination in Visual Analytics Systems</b> Michael A. Bedek, Alexander Nussbaumer, Eva Hillemann, and Dietrich Albert
	<b>Catchem: A browser plugin for the Panama Papers using approximate string matching.</b> Panos Kostakos, Miika Moilanen, Arttu Niemelä, and Mourad Oussalah
10:30-12:30	<b>Session: Criminal Intelligence Analysis</b>
Seminar Room 2	Chair: TBA
	<b>Customs Risk Analysis through the ConTraffic Visual Analytics tool</b> Mikaela Poulymenopoulou and Aris Tsois
	<b>Comparative Analysis of Crime Scripts: one CCTV footage – twenty-one scripts</b> Hervé Borrión, Hashem Dehghanniri, and Yuanxi Li
	<b>Whose Hands Are in the Finnish Cookie Jar?</b> Jukka Ruohonen and Ville Leppänen
12:30-13:30	Lunch Break Officers' Club
13:45-14:00	Bus from Conference Venue to Semiramis Hotel