<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:00-09:00</td>
<td>Registration</td>
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<tr>
<td>09:00-09:15</td>
<td>Opening: Welcome Session, Room: Aula, House 6</td>
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</table>
| 09:15-10:15| EISIC 2016 Keynote: Hate in the Peaceable Kingdom: Right-Wing Extremism in Canada  
Speaker: Barbara Perry, Room: Aula, House 6 |
| 10:15-10:45| Coffee Break                                                           |
Speaker: Nico Prucha, Room: Aula, House 6 |
| 11:45-12:45| EISIC 2016 Keynote: The spread of terrorist/violent extremist propaganda online and Europol's EU Internet Referral Unit (EU IRU) as a response to this threat  
Speaker: Stephane Duguin, Room: Aula, House 6 |
| 12:45-13:45| Lunch Break, Restaurant Rullan                                         |
| 13:45-14:45| Practitioners’ Day Keynote: Behavioral Analysis Techniques for Investigating Cases of Anonymous Threatening Communications  
Speaker: Ronald F Tunkel, Room: Aula, House 6 |
| 13:45-14:45| Session: Computational criminology and cyber crime I                  |
| Room 6140  | The Role of Internet Service Providers in Botnet Mitigation (30)        
Jeroen Pijpker and Harald Vranken |
| Room 6140  | Towards Designing a Multipurpose Cybercrime Intelligence Framework (30) 
Mariam Nouh, Jason R. C. Nurse, and Michael Goldsmith |
| 13:45-14:45| Session: Information and cyber security I                              |
| Room 1111  | Enhancing Risk-Based Decisions by Leveraging Cyber Security Automation (20) 
Tina AlSadhan and Joon S. Park |
| Room 1111  | Text Authorship Verification through Watermarking (20)                
Stefano Giovanni Rizzo, Flavio Bertini, and Danilo Montesi |
| 13:45-14:45| Session: Information and cyber security II                             |
| Room 1111  | On Privacy and Security Challenges in Smart Connected Homes (20)       
Joseph Bugeja, Andreas Jacobsson, and Paul Davidsson |
| 14:45-15:00| Coffee Break                                                           |
| 15:00-16:00| Practitioners’ Day Keynote: Real-time intelligence: the power of social media in emergency response and crime fighting  
Speaker: Sylvia Spinnewijn, Room: Aula, House 6 |
| 15:00-16:00| Session: Information and cyber security II                             |
| Room 1111  | Personal Information Leakage During Password Recovery of Internet Services (20) 
Mordechai Guri, Eyal Shemer, Dov Shirtz, and Yuval Elovici |
| Room 1111  | A Security Analysis on Apple Pay (20)                                  
Ashay S. Jawale and Joon S. Park |
| 15:00-16:00| Session: Computational criminology and cyber crime II                 |
| Room 6140  | Cards, Money and Two Hacking Forums: An Analysis of Online Money Laundering Schemes (20)  
Alexander Mikhailov and Richard Frank |
| Room 6140  | Design for Intelligence Analysis of Complex Systems: Evolution of Criminal Networks (20) 
Patrick Seidler, Johanna Haider, Neesha Kodagoda, B. L. William Wong, Margit Pohl, and Richard Adderley |
| Room 6140  | A Post-Mortem Empirical Investigation of the Popularity and Distribution of Malware Files in the Contemporary Web-Facing Internet (20)  
Jukka Ruohonen, Sanja Šćepanović, Sami Hyrynsalmi, Igor Mishkovski, Tuomas Aura, and Ville Leppänen |
| 16:00-17:00| EISIC 2016 Keynote: The Dark Web Evolution – On the origin of the criminal business model  
Speaker: Rolf van Wegberg, Room: Aula, House 6 |
<p>| 17:00      | Social Event: Ice Breaker / Poster Session, Room: Foyer, House 6       |</p>
<table>
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| 09:00-10:00  | **EISIC 2016 Keynote:** The Hacker Web Project: Exploring and Data Mining the International Community of Hackers  
Speaker: Hsinchun Chen, Room: Aula, House 6  |
| 10:00-10:15  | Coffee Break                                                                     |
| 10:15-11:15  | **Supply Chain Security Keynote:** Fighting cross-border crime with information and intelligence  
Speaker: Toni Männistö, Room: Aula, House 6  |
| 10:15-11:15  | **Session:** Text and data mining                                                |
| Room 6140    | Sentiment-based Classification of Radical Text on the Web (20)  
Ryan Scrivens and Richard Frank  |
|              | My Name is Legion: Estimating Author Counts Based on Stylistic Diversity (20)  
Johanna Björklund and Niklas Zechnner  |
|              | But I did not Mean It! – Intent Classification of Racist Posts on Tumblr (20)  
Swati Agarwal and Ashish Sureka  |
| 11:15-12:25  | **Session:** Supply chain security                                               |
| Room 1111    | A Quantitative Approach to Risk and Cost Assessment in Supply chain Management (20)  
Linus Gisslén and Andreas Horndahl  |
|              | Compression Effects on Security Document Images (20)  
Peter Wild, Svord Stolc, Kristián Valentin, Franz Daubner, and Markus Clabian  |
|              | On Interoperability of Security Document Reading Devices (30)  
Svord Stolc, Peter Wild, Kristián Valentin, Franz Daubner, and Markus Clabian  |
| 11:15-12:15  | **Session:** Risk and crisis management I                                        |
| Room 6140    | Risk Kit: Highlighting Vulnerable Identity Assets for Specific Age Groups (30)  
Razieh Nokehbe Zaeem, Monisha Manoharan, and K. Suzanne Barber  |
|              | How to Support the Decision Making in Crisis Context? (30)  
Bénédicte Goujon  |
| 12:15-13:15  | Lunch Break, Restaurant Rullan                                                   |
| 13:15-14:30  | **Decisioning and interaction Keynote:** Development of Situational Awareness Using Open Source Intelligence  
Speaker: Babak Akhgar, Room: Aula, House 6  |
| 13:15-14:25  | **Session:** Decisioning and interaction II                                      |
| Room 6140    | Providing Extensibility to Threat Modelling in Cloud-COVER’s Underlying Analysis Model (30)  
Mustafa Aydin and Jeremy Jacob  |
|              | Information Security Aspects of the Public Safety Data Interoperability Network (20)  
Blaž Ivanc and Borka Jerman Blažič  |
|              | An Argumentative-Narrative Risk Assessment Model (20)  
Floris Bex and Bas Hovestad  |
| 14:30-15:30  | **Session:** Decisioning and interaction I                                        |
| Room Aula    | How Analysts Think: Decision Making in the Absence of Clear Facts (20)  
Matyilda Gerber, B. L. William Wong, and Neesha Kodagoda  |
|              | A Framework for Cognitive Bias Detection and Feedback in a Visual Analytics Environment (20)  
Alexander Nussbaumer, Katrien Verbert, Eva-Catherine Hillemann, Michael A. Bedek, and Dietrich Albert  |
|              | Critical Review of Analytic Techniques (20)  
Mandeep K. Dhami, Ian K. Belton, and Kathryn E. Careless  |
| 14:30-15:30  | **Session:** Information and cyber security III                                   |
| Room 6140    | A Behavioral Biometrics User Authentication Study Using Motion Data from Android Smartphones (20)  
Javid Maghsoudi and Charles C. Tappert  |
|              | Random Delays to Limit Timing Covert Channel (20)  
Anna Belozubova, Anna Epishkina, and Konstantin Kogos  |
|              | A Framework and Prototype for A Socio-Technical Security Information and Event Management System (ST-SIEM) (20)  
Bilal AlSabbagh and Stewart Kowalski  |
| 15:30-16:00  | Coffee Break                                                                     |
| 16:00-17:00  | **Session:** Decisioning and interaction II                                      |
| Room Aula    | Methodology and Tool to Facilitate Structured Analysis of Multiple Hypotheses (30)  
Magdalena Granåsen and Maja Karasalo  |
|              | How Analysts Think: Think-steps as a Tool for Structuring Sensemaking in Criminal Intelligence Analysis (30)  
Nallini Selvaraj, Simon Atfield, Peter Passmore, and B. L. William Wong  |
| 16:00-17:00  | **Session:** Computational criminology and cyber crime III                       |
| Room 6140    | Filtering Estimated Crime Series Based on Route Calculations on Spatio-temporal Data (20)  
Martin Boldt and Jawsanth Bala  |
|              | QUIN: Providing Integrated Analysis Support to Crime Investigators (20)  
Selmar Smit, Bob van der Vecht, Freek van Werneskerken, and Jan Willem Streffkerk  |
|              | Missing Solutions in the Fight against Cybercrime and Cyberterrorism – the New EU Research Agenda (20)  
Borka Jerman Blažič and Tomaž Klobučar  |
| 18:30-22:00  | Social Event: Visit to Fredens Hus (House of Peace) and conference dinner (Gästrike-Hälsinge nation)  |
### Friday, August 19, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Details</th>
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<tbody>
<tr>
<td>08:30-09:00</td>
<td>Registration</td>
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<tr>
<td>09:00-10:00</td>
<td><strong>EISIC 2016 Keynote: Ethics of Connected and Autonomous Technologies</strong></td>
<td>Speaker: Patrick Lin, Room: Aula, House 6</td>
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<tr>
<td>10:00-10:30</td>
<td>Coffee Break</td>
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<tr>
<td>10:30-11:30</td>
<td><strong>IoT and Security Keynote: Our digital connected world, how vulnerable are we and what can we do?</strong></td>
<td>Speaker: Richard Widh, Room: Aula, House 6</td>
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<tr>
<td>10:30-11:30</td>
<td><strong>Session: Terrorism and security informatics</strong></td>
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<tr>
<td>Room 6140</td>
<td><strong>The Effectiveness of Counter-terrorism Policies based on the Terrorism Decision (20)</strong></td>
<td>Chaomin Ou and Wenyao Yang</td>
</tr>
<tr>
<td>Room 6140</td>
<td><strong>Discovering Knowledge in Online Drug Transactions Using Conceptual Graphs and Formal Concept Analysis (20)</strong></td>
<td>Constantinos Orphanides, Babak Akhgar, and Petra Saskia Bayerl</td>
</tr>
<tr>
<td>Room 6140</td>
<td><strong>Key Player Identification in Terrorism-Related Social Media Networks Using Centrality Measures (20)</strong></td>
<td>Illas Gialampourakis, George Kalpakis, Theodora Tsikrika, Stefanos Vrochidis, and Ioannis Kompatsiaris</td>
</tr>
<tr>
<td>11:30-12:30</td>
<td><strong>IoT and Security Keynote: Creating business value with the Internet of Things. Opportunities and challenges for firms</strong></td>
<td>Keynote: Ulrika Westergren, Room: Aula, House 6</td>
</tr>
<tr>
<td>Room 6140</td>
<td><strong>Location, Location, Location: Mapping Potential Canadian Targets in Online Hacker Discussion Forums (30)</strong></td>
<td>Richard Frank, Mitch Macdonald, and Bryan Monk</td>
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<tr>
<td>Room 6140</td>
<td><strong>Quality Assurance for Security Applications of Big Data (30)</strong></td>
<td>Roger Clarke</td>
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<tr>
<td>11:30-12:30</td>
<td><strong>Session: Information and cyber security IV</strong></td>
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<tr>
<td>Room 1111</td>
<td><strong>Disaster Risk Reduction for International Residents in Japan: Barriers and Facilitators to Knowledge Sharing in Times of Disaster (20)</strong></td>
<td>Jiro Usugami</td>
</tr>
<tr>
<td>Room 1111</td>
<td><strong>Confidential Crisis Information Sharing through an Interoperability Framework among First Responders: A Discussion and a Preliminary Solution (20)</strong></td>
<td>Michele Fiorini, Vincenzo Esposito, Marcello Cinque, Christian Esposito, Mario Fiorentino, Domenico Cotroneo, and Stefano Russo</td>
</tr>
<tr>
<td>12:30-13:30</td>
<td>Lunch and closing of the EISIC conference, Restaurant Rullan</td>
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### Wednesday, August 17, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Details</th>
</tr>
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<tbody>
<tr>
<td>17:00-</td>
<td><strong>EISIC 2016 Poster Session, Foyer, House 6</strong></td>
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<tr>
<td>Ice-breaker</td>
<td><strong>Forecasting the Underlying Psychological Forces to Political Violence through Big Data Symbol Mining</strong></td>
<td>Niklas Hageback</td>
</tr>
<tr>
<td>Ice-breaker</td>
<td><strong>Role of Author Personality Traits for Identifying Intent Based Racist Posts</strong></td>
<td>Swati Agarwal and Ashish Sureka</td>
</tr>
<tr>
<td>Ice-breaker</td>
<td><strong>Towards Efficient Law Enforcement Decision Support Systems in the Area of Community Policing: The use of Mobile Applications</strong></td>
<td>George Leventakis, George Papalexandratos, George Kokkinis, Elisavet Charalambous, and Nikolaos Koutras</td>
</tr>
<tr>
<td>Ice-breaker</td>
<td><strong>Multilayer Analysis of Online Illicit Marketplaces</strong></td>
<td>Michael Ashcroft, Matteo Magnani, Davide Vega, Danilo Montesi, and Luca Rossi</td>
</tr>
<tr>
<td>Ice-breaker</td>
<td><strong>The IPATCH System for Maritime Surveillance and Piracy Threat Classification</strong></td>
<td>Maria Andersson, Ronnie Johansson, Karl-Göran Stenborg, Robert Forsgren, Thomas Cane, Grzegorz Taberski, Luis Patino, and James Ferryman</td>
</tr>
<tr>
<td>Ice-breaker</td>
<td><strong>A Dedicated Crawling Engine to Reduce Apps Distribution Risks</strong></td>
<td>Marc Michel Pic</td>
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<tr>
<td>Ice-breaker</td>
<td><strong>Harnessing Crowds to Avert or Mitigate Acts Terrorism: A Collective Intelligence Call for Action</strong></td>
<td>Haibo Li and Anders Hedman</td>
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