

**18th European Conference on Cyber Warfare and Security**  
**ECCWS 2019**  
**University of Coimbra - Polo II, Portugal**  
**4 - 5 July 2019**

**Wednesday 3 July 2019**

**18:30** Welcome drinks and pre-conference registration (Until 19:30):  
Ibis Coimbra Centro Hotel, n°70 Edificio Topazio, Avenida Emídio Navarro, 3000-150 Coimbra

**Thursday 4th July 2019**

**08:45** Registration and coffee, 4th Floor

**09:15** Room: Amphitheater B1, 4th Floor  
Welcome and Opening of the Conference

**09:30** Keynote Address: Dr. Leandros A. Maglaras, De Montfort University, UK  
*Protection of Critical National Infrastructures*

**10:15** Conference splits into streams on the 5th Floor

**Room: B2**  
**Stream A - Hacking**  
**Chair - David Ormrod**

**Room: C5.1**  
**Stream B - Mini Track on Cross-Discipline Research**  
**Chair - Char Sample**

**Room: C5.4**  
**Stream C - Threats**  
**Chair - Joe Adams**

**Room: A5.1**  
**Stream D - Managing Cybersecurity**  
**Chair - Julie Murphy**

**Room: A5.4**  
**Stream E - Innovations**  
**Chair - Peter Baumann**

**10:30** A Performance Study of the Ethical Hacking Capabilities of Single Board Computers  
**Arias de la Vega** Adolfo Jose and Christina **Thorpe**, Technological University Dublin, Ireland

The Cyber Counterintelligence Matrix for Outsmarting your Adversaries  
**Duvenage** Petrus, Victor **Jaquire** and Sebastian **von Solms**, University of Johannesburg, South Africa

Cyber Attribution 2.0: Capture the False Flag  
**Pahi** Timea and Florian **Skopik**, AIT Austrian Institute of Technology, Vienna, Austria

An Analysis of Security Features on Web Browsers  
**Sengupta** Siddhartha and Joon **Park**, Syracuse University, NY, USA

In search of a social contract for cybersecurity  
**Liaropoulos** Andrew, University of Piraeus, Greece

**11:00** Hackers and the Military : How to Recruit and Manage "Hidden Talent"?  
**Danet** Didier, Saint-Cyr Military Academy, Guer, France

Research Challenges for Cybersecurity and Cyberwarfare: a South Africa Perspective  
**Ramluckan** Trishana, Brett **van Niekerk**, University of KwaZulu-Natal, Westville and Louise **Leenen**, University of Western Cape, Cape Town, South Africa

Cyber Security Risk Modelling and Assessment: A Quantitative Approach  
**Sokri** Abderrahmane, DRDC CORA, Department of National Defence, Government of Canada, Ottawa, Canada

A framework for managing cybersecurity effectiveness in the digital context  
**Carcary** Marian, Eileen **Doherty** and Gerry **Conway**, Innovation Value Institute, Maynooth University, Maynooth, Ireland

Creating modern blue pills and red pills  
**Algawi** Asaf, Rooe **Leon**, University of Jyväskylä, Finland and Amit **Resh**, Shenkar College, Nezer **Zaidenberg**, College of Management Academic Studies, Michael **Kiperberg**, Holon Institute of Technology, Israel

**11:30** Taxonomies of Cybercrime: An Overview and Proposal to be used in Mapping Cyber Criminal Journeys  
**Somer** Tiia, Tallinn University of Technology, Tallinn, Estonia

Online Expression and Spending on Personal Cybersecurity  
**Rauhala** Juhani, Pasi **Tyrväinen**, University of Jyväskylä, Finland and Nezer **Zaidenberg**, College of Management Academic Studies, Israel

Alert Correlation using Diamond Model for Cyber Threat Intelligence  
**Shin** Young Sup, Chang Wan **Lim**, Sung Young **Cho**, Insung **Han**, Haengrok **Oh**, Agency for Defense Development, Seoul, Moo Kyu **Park** and Kyung Ho **Lee**, Korea University, South Korea

Information Warfare: Fabrication, Distortion and Disinformation: a Case Study and Anticipatory Ethical Analysis  
**Wilson** Richard, Towson University/University of Baltimore, USA

Characteristics of a High Performance Cybersecurity Culture  
**Chatterjee** Dave, The University of Georgia, Athens, GA, USA (Presentation only)

**12:00** Lunch

Lunch

Lunch

Lunch

Lunch

	<b>Room: B2</b> <b>Stream A - Mini Track on Security for Smart Cities and IACS-based Critical Infrastructures</b> <b>Chair - Filipe Caldeira</b>	<b>Room: C5.1</b> <b>Stream B - Mini Track on Cross-Discipline Research</b> <b>Chair - Char Sample</b>	<b>Room: C5.4</b> <b>Stream C - Internet of Things</b> <b>Chair - Joon Park</b>	<b>Room: A5.1</b> <b>Stream D - National Defence</b> <b>Chair - Gerhard Henselmann</b>	<b>Room: A5.4</b> <b>Stream E - PhD colloquium</b> <b>Chair - Tiago Cruz Paulo Simões</b>	<b>Room: B1</b> <b>Stream E - Cyber Defense</b> <b>Chair - Dave Chatterjee</b>
<b>13:00</b>	Personal Data Protection a Contextual Framework for Organisational Management of Personal Data in the Digital Context <b>Carcary</b> Marian, Eileen <b>Doherty</b> and Gerry <b>Conway</b> , Innovation Value Institute, Maynooth University, Ireland	Operator Impressions of 3D Visualizations for Cybersecurity Analysts <b>Kullman</b> Kaur, TalTech University, Tallin, Estonia Noam Ben <b>Asher</b> ORAU, Oakridge, and Char <b>Sample</b> , ICF Inc, Columbia, USA	PhySec in Cellular Networks: Enhancing Security in the IIoT <b>Lipps</b> Christoph, Mathias <b>Strufe</b> , Sachinkumar Bavikatti <b>Mallikarjun</b> and Hans Dieter <b>Schotten</b> , German Research Center for Artificial Intelligence, Germany	Protection of critical infrastructure in national cyber security strategies <b>Izycki</b> Eduardo, Universidade de Brasília (UnB) and Rodrigo <b>Colli</b> , Institutional Security Cabinet, Brasil	13:00-13:10 The Peculiarities of Securitising Cyberspace: A Multi-actor Analysis of the Construction of Cyber Threats in the US <b>Fouad</b> Noran, University of Sussex, Brighton, UK 1315-1325 Protecting the Besieged Cyber Fortress: Russia's Response to Cyber Threats	On Neutrality and Cyber Defence <b>Stolz</b> Marcel, University of Oxford, UK
<b>13:30</b>	Operational Risk Assessment on Internet of Things: Mitigating Inherent Vulnerabilities <b>Park</b> Youngjun, Mark <b>Reith</b> and Barry <b>Mullins</b> , Air Force Institute of Technology, Wright Patterson AFB, OH, USA	Revisiting Cyber Definition <b>Azmi</b> Riza, University of Wollongong, Australia and <b>Kautsarina</b> , Universitas Indonesia, Depok, Indonesia	A novel IDS architecture for Internet of Things networks <b>Santos</b> Leonel, Carlos <b>Rabadão</b> , Polytechnic Institute of Leiria and Ramiro <b>Gonçalves</b> , University of Trás-os-Montes e Alto Douro, Portugal	Towards a Framework for the Selection and Prioritisation of National Cybersecurity Functions <b>Jacobs</b> Pierre, Sebastiaan <b>Von Solms</b> , University of Johannesburg, Brett <b>Van Niekerk</b> , University of Kwazulu Natal & Marthe <b>Grobler</b> , CSIRO, Australia	<b>Kari</b> Martti, University of Jyväskylä, Finland 1330-1340 The Transformation of Islamic Terrorism Through Cyberspace: the case of ISIS <b>Kapsokoli</b> Eleni, University Of Piraeus, Greece 1345-1355 E-health Systems in Digital Environments <b>Hummelholm</b> Aarne, University of Jyväskylä, Finland 1400-1410 Effects of Cyber Domain in Crisis Management <b>Simola</b> Jussi and Martti <b>Lehto</b> , University of Jyväskylä, Finland 1415-1425 Government Efforts Toward Promoting IoT Security Awareness for End Users: a Study of Existing Initiatives <b>Kautsarina</b> and Bayu <b>Anggoroaji</b> , Universitas Indonesia, Indonesia 1430-1440 The Current State of Research in Offensive Cyberspace Operations <b>Huskaj</b> Gazmend, Swedish Defence University, Stockholm, Sweden 1445-1455 Undersea Optical Cable Network and Cyber Threats <b>Hummelholm</b> Aarne, University of Jyväskylä, Finland 1500-1515 - Feedback and Discussion	Crossed Swords: a Cyber Red Team Oriented Technical Exercise <b>Blumbers</b> Bernhards, CERT.LV, Riga, Latvia, Rain <b>Ottis</b> and Risto <b>Vaarandi</b> , Taltech, Tallinn, Estonia
<b>14:00</b>	Smart Citizens Wanted! How to Act Responsibly with Data Security and Privacy? <b>Ziske</b> Christine, Kikusema AB, Mariestad, Sweden and Ulf <b>Ziske</b> , KikuSema GmbH,	A Biological Framework for Characterizing Mimicry in Cyber-Deception <b>Templeton</b> Steven, Matt <b>Bishop</b> , Karl <b>Levitt</b> , University of California, Davis and Mark <b>Heckman</b> , University of San Diego, USA	Secure Application for Health Monitoring <b>Bhuse</b> Vijay, Grand Valley State University, Allendale and Harsh <b>Sinha</b> , Western Michigan University, Kalamazoo, MI, USA	Cybersecurity in the Public sector in Greece <b>Drivas</b> George, Leandros <b>Maglaras</b> , National Cyber Security Authority of Greece, Athens, Greece and Helge <b>Janicke</b> , De Montfort University, UK		Weaponized Narratives, Soft Power and Ideological Filtering <b>Wilson</b> Richard, Towson University, Maryland, USA (Presentation Only)
<b>14:30</b>	ARM Security Alternatives <b>Yehuda</b> Raz Ben and Roee <b>Leon</b> , University of Jyväskylä, Finland and Nezer <b>Zaidenberg</b> , College of Management Academic Studies, Isreal	Thoughts about a General Theory of Influence in a DIME/PMESII/ASCOP/IRC2 Model <b>Kodalle</b> Thorsten, Command and Staff College German Armed Forces, Davide <b>Ormrod</b> , University of New South Wales, Kingston, Australia, Keith <b>Scott</b> , De Montfort University, UK and Char <b>Sample</b> , ICF USA Army Research Laboratory, USA	IoT Architectures for Critical Infrastructures Protection <b>Zamfiroiu</b> Alin, Catalin <b>Boja</b> Tiberiu <b>Georgescu</b> , Cosmin <b>Cartas</b> and Bogdan <b>Iancu</b> , The Bucharest University of Economic Studies, Bucharest, Romania	Building a (French) National Priority: the Grammar of the French Cyber Defence Strategy <b>Haddad</b> Said, Saint Cyr Military Academy Research Center, Guer, France		The Offensive Cyber Operations Playbook <b>Granåsen</b> Dennis and Margarita <b>Jaitner</b> , Swedish Defence Research Agency, Sweden
<b>15:00</b>	<b>Refreshments</b> <b>15:10-15:25 - Presentation by Rasdaman GmbH - Big Data cubes: the New Paradigm for Agile Space/Time Decision Making</b>					
	<b>Room: B2</b> <b>Stream A - Mini Track on Big Data for Cybersecurity</b> <b>Chair - Nasser Abouzakhar</b>	<b>Room: C5.1</b> <b>Stream B - Mini Track on Cross-Discipline Research</b> <b>Chair - Char Sample</b>	<b>Room: C5.4</b> <b>Stream C - Strategy</b> <b>Chair - Helge Janicke</b>	<b>Room: A5.1</b> <b>Stream D - Information Security</b> <b>Chair - Simon Duque Anton</b>	<b>Room: A5.4</b> <b>Stream E - Masters Colloquium</b> <b>Chair - Filipe Caldeira and Paulo Simões</b>	
<b>15:30</b>	How to Apply Privacy by Design in OSINT and Big Data Analytics? <b>Rajamäki</b> Jyri, Laurea University of Applied Sciences, Espoo and Jussi <b>Simola</b> , University of Jyväskylä, Finland	A Cross-Discipline Approach to Countering 4th Generation Espionage <b>Sample</b> Char, Keith <b>Scott</b> , Emily <b>Darraj</b> , University of Georgia, USA	The Possibilities of Cyber Methods as Part of Maritime Warfare: Case Baltic Sea <b>Turunen</b> Maija, Finland's National Defence University, Helsinki, Finland	Success Factors and Pitfalls in Security Certifications <b>Salminen</b> Helvi, Gemalto Oy, Vantaa, Finland (Non-academic)	1530-1540 Synthetic Data Generation with Machine Learning for Network Intrusion Detection Systems <b>Newlin</b> Marvin, Mark <b>Reith</b> and Mark <b>DeYoung</b> , Air Force Institute of Technology, Dayton, Ohio, USA 1545-1555 Fake News Detection Using Ensemble Machine Learning <b>Mohale</b> Potsane and Wai Sze Leung, University of Johannesburg, South Africa 1600-1610 Description Logics and Axiom Formation for a Digital Forensics Ontology <b>Elison</b> Dagney, Hein <b>Venter</b> and Adeyemi <b>Ikuesan</b> , University of Pretoria, South Africa 1615-1625 Detecting Advanced Persistent Threat Malware Using Machine Learning-based Threat Hunting <b>Lin</b> Tien-Chih, Cheng-Chung <b>Kuo</b> , and Chu-Sing <b>Yang</b> , National Cheng Kung University, Tainan, Taiwan 1630 -1700 - Feedback and Discussion	
<b>16:00</b>	Technical Guidelines for Evaluating and Selecting Data Sources for Cybersecurity Threat Intelligence <b>Mtsweni</b> Jabu, CSIR and Muyowa <b>Mutemwa</b> , UNISA, Pretoria, South Africa	A Methodology for the Comparative Analysis of Strategic Culture and Cyber Warfare <b>Williams</b> Andrew, University of New South Wales, Canberra, Australia	The Need for More Sophisticated Cyber-Physical Systems War Gaming Exercises <b>Rege</b> Aunshul, Temple University, Philadelphia and Joe <b>Adams</b> , Merit Network, An Abor, USA	The Balanced Digitalisation and Digital Security: Case of Regional Authorities <b>Kuusisto</b> Tuija, University of Jyväskylä Finland and Rauno <b>Kuusisto</b> , The Finnish Defence Research Agency, Finland		
<b>16:30</b>	Protecting Big Data and Small Pixels in the Web Age <b>Baumann</b> Peter, Jacobs University, Bremen, Germany (Presentation only)	The Persuasion Game: Developing a Serious Game Based Model for Information Warfare and Influence Studies <b>Ormrod</b> David, Benjamin <b>Turnbull</b> , University of New South Wales, Australia, Keith <b>Scott</b> , De Montfort University, UK, Char <b>Sample</b> , ICF, USA and Thorsten <b>Kodalle</b> , College of the German Armed Forces,	Using Hypervisors to Overcome Structured Exception Handler Attacks <b>Algawi</b> Asaf, Roee <b>Leon</b> , University of Jyväskylä, Finland and Amit <b>Resh</b> , Shenkar College, Nezer Zaidenberg, College of Management Academic Studies, Michael <b>Kiperberg</b> , Holon Institute of Technology, Israel	A Capability Approach to Managing Information Security <b>Carcary</b> Marian, Eileen <b>Doherty</b> and Gerry <b>Conway</b> , Innovation Value Institute, Maynooth University, Ireland		
<b>17:00</b>	Information Technology Governance: The Role of Board of Directors in Cybersecurity Oversight <b>Musleh</b> Al-Sartawi Abdalmuttaleb, Ahlia University, Manama, Bahrain	An Analysis of Selected Cyber Intelligence Texts <b>van Niekerk</b> Brett, Trishana <b>Ramluckan</b> , University of KwaZulu-Natal, Westville and Petrus <b>Duvenage</b> , University of Johannesburg, South Africa	Cyber Resilience Strategy and Attribution Under the Context of International law <b>Moslemzadeh Tehrani</b> Pardis, University of Malaya, Kuala Lumpur, Malaysia	A Data Security Framework for Cloud Computing Adoption: Mozambican Government Cloud Computing <b>Vumo</b> Ambrosio Patricio, Stefan <b>Kopsell</b> TU-Dresden, Germany, Josef <b>Spillner</b> , Zurich University of Applied Sciences, Switzerland		
<b>17:30</b>	<b>Close of Conference Day</b>	<b>Close of Conference Day</b>	<b>Close of Conference Day</b>	<b>Close of Conference Day</b>	<b>Close of Conference Day</b>	<b>Close of Conference Day</b>
<b>19:30</b>	<b>Conference Dinner - Solar do Bacalhau Restaurant, Rua da Sota, nº 10, 3000-059 Coimbra</b>					

	<b>Friday 5th July 2019</b>				
<b>09:00</b>	<b>Room: Amphitheater B1, 4th Floor</b> <b>Opening Messages</b>				
<b>09:05</b>	<b>Keynote Address: Nuno Medeiros, EDP Distribuição, Lisbon, Portugal</b> <b>Cyber Security Challenges for a Critical Infrastructure Operator</b>				
<b>09:50</b>	<b>Introduction to ECCWS 2020</b>				
<b>10:00</b>	<b>Refreshments - 4th Floor</b> <b>Poster contributors stand by their posters for others to discuss the research</b>				
	<b>Room: B2</b> <b>Stream A - Cyber Warfare</b> <b>Chair - Saïd Haddad</b>	<b>Room: C5.1</b> <b>Stream B - Mini Track on Cross-Discipline Research</b> <b>Chair - Char Sample</b>	<b>Room: C5.4</b> <b>Stream C - Legal Implications</b> <b>Chair - Didier Danet</b>	<b>Room: A5.1</b> <b>Stream D - Education and Awareness</b> <b>Chair - Grace Leung</b>	<b>Room: A5.4</b> <b>Stream E - Masters and PhD Colloquium</b> <b>Chair - Paulo Simões and Tiago Cruz</b>
<b>10:45</b>	Leveraging the OODA Loop with Digital Analytics to Counter Disinformation <b>Carroll</b> Jami, Unaffiliated, Newport, RI, USA	Integrative Approach to Understand Vulnerabilities and Enhance the Security of Cyber-Bio-Cognitive-Physical Systems <b>Tagarev</b> Todor, Institute of ICT, Nikolai <b>Stoianov</b> , Bulgarian Defence Institute and George <b>Sharkov</b> , ESI Centre Eastern Europe, Sofia Bulgaria	Legal Understanding of State-linked Cyberattacks and Cyber Malicious Activities <b>Watney</b> Murdoch, University of Johannesburg, South Africa	Improving Phishing Awareness in the United States Department of Defense <b>Dukarm</b> Christopher, Richard <b>Dill</b> and Mark <b>Reith</b> , Air Force Institute of Technology, Dayton, USA	1045-1055 Self-Directed Learning Tools in USAF Multi-Domain Operations Education <b>Flack</b> Nathaniel and Mark <b>Reith</b> , US Air Force Institute of Technology, Ohio, USA 1100-1110 Human Factors of Cyber Operations: Decision Making Behind Advanced Persistence Threat operations <b>Siukonen</b> Veikko, Finnish Defence Research Agency, Riihimäki, Finland 1115-1125 Cyber Entanglement: A Framework for the Study of US-China Relations <b>Pontbriand</b> Karine, University of New South Wales, Canberra, Australia 1130-1140 A Technical Overview on the Usage of Cloud Encryption Services <b>Carvalho</b> Daniel , João <b>Morais</b> , João <b>Almeida</b> , Pedro <b>Martins</b> , Carlos <b>Quental</b> and Filipe <b>Caldeira</b> , Polytechnic Institute of Viseu, Portugal (Masters) 11:45-11:55 A Conceptual Model for the Development of Cybersecurity Capacity in Mozambique <b>De Barros</b> Martina Jennifer and Horst <b>Lazarek</b> , Technical University of Dresden, Germany 1200-12:30 - Feedback and discussion
<b>11:15</b>	Online Glossary of Cyber security <b>Burita</b> Ladislav, University of Defence, Brno, Czech Republic	Strategic Foresight and Resilience through Cyber-Wargaming <b>Ormrod</b> David, University of New South Wales, Kingston, Australia and Keith <b>Scott</b> , De Montford University, UK	Cyber-Influence Operations: A Legal Perspective <b>Ramluckan</b> Trishana and Brett <b>van Niekerk</b> University of KwaZulu-Natal, Westville, South Africa and Alicia <b>Wanless</b> , Kings College London, UK	Instilling Digital Citizenship Skills through Education: A Malaysian Perspective <b>Susanty</b> Ramona, Zahri <b>Yunos</b> , Mustaffa <b>Ahmad</b> and Norrizan <b>Razali</b> , CyberSecurity Malaysia, Selangor, Malaysia (Non-academic)	
<b>11:45</b>	Operational Tempo in Cyber Operations <b>Lemay</b> Antoine, Cyber Defense Corporation, Montreal and Sylvain <b>Leblanc</b> , Royal Military College of Canada, Canada	Optimal Sensor Placement in a Network Topology from the Defence Point of View <b>Kuikka</b> Vesa and Juha-Pekka <b>Nikkarila</b> , Finnish Defence Research Agency, Riihimäki, Finland	Legal Perspectives to the Cyber Security Dilemma <b>van Niekerk</b> Brett and Trishana <b>Ramluckan</b> , University of KwaZulu-Natal, Westville, South Africa	Information Security is more than just Policy; It is in your Personality <b>Simola</b> Petteri, Toni <b>Virtanen</b> and Miika <b>Sartonen</b> , Finnish Defence Research Agency, Tuusula, Finland	
<b>12:15</b>	Where Cyber meets the Electro Magnetic Spectrum <b>Henselmann</b> Gerhard and Martti <b>Lehto</b> , University of Jyväskylä, Finland	Artificial Intelligence Cybersecurity Framework: Preparing for the here and now with AI <b>Darraj</b> Emily, Capitol Technology University, Suwanee, Connie <b>Justice</b> , Purdue School of Engineering and Technology and Charmane <b>Sample</b> , ICF, USA	Digital Dematerialisation in the Portuguese Tax System <b>Silva</b> Ana Paula, Polytechnic Institute of Viana do Castelo and REMIT, Portugalense University, Porto, Portugal and Susana <b>Aldeia</b> , Universidade Portugalense, Porto, Portugal	Grasping Cybersecurity: A Set of Essential Mental Models <b>van den Berg</b> Jan, Delft University of Technology, The Netherlands	
<b>12:45</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>

	<b>Room: B2</b> <b>Stream A - Social Media</b> <b>Chair - Ladislav Burita</b>	<b>Room: C5.1</b> <b>Stream B - Mobile Systems</b> <b>Chair - Aarne Hummelholm</b>	<b>Room: C5.4</b> <b>Stream C - Intelligence and Anticipation</b> <b>Chair - Sylvain Lohman</b>	<b>Room: A5.1</b> <b>Stream D - Detection</b> <b>Chair - Jan van den Berg</b>	<b>Room: A5.4</b> <b>Stream E - Political Issues</b> <b>Chair - Lee Speakman</b>
<b>13:45</b>	Agile Technology Development to Improve Scenario-Based Learning Exercises <b>Turnbull</b> Benjamin, David <b>Ormrod</b> , Nour <b>Moustafa</b> and Nicholas <b>Micallef</b> , University of New South Wales, Canberra, Australia	An Information Security Management Scaffold for Mobile Money Systems in Uganda <b>Kanobe</b> Fredrick, MP <b>Alexander</b> , Tshwane University of Technology, Pretoria and KJ <b>Bwalya</b> , University of Johannesburg, South Africa	Cyber Warfare, Terrorist Narratives and Counter Terrorist Narratives: Anticipating The Ethical Issues <b>Wilson</b> Richard, Towson University, Maryland, USA	Putting Together the Pieces: A Concept for Holistic Industrial Intrusion Detection <b>Duque Anton</b> Simon and Hans Dieter <b>Schotten</b> , German Research Center for Artificial Intelligence, Kaiserslautern, Germany	Western World Order in the Crosshairs? A Theoretical Review and Application of the Russian 'Information Weapon' <b>Ristolainen</b> Mari and Juha <b>Kukkola</b> , Finnish National Defence University, Riihimäki, Finland
<b>14:15</b>	Does Time Spent on Device Security and Privacy Inhibit Online Expression? <b>Rauhala</b> Juhani, Pasi <b>Tyrväinen</b> , University of Jyväskylä, Finland and Nezer <b>Zaidenberg</b> , College of Management Academic Studies, Israel	Detection of Premeditated Security Vulnerabilities in Mobile Applications <b>Brilingaite</b> Agne, Linas <b>Bukauskas</b> , and Eduardas <b>Kutka</b> , Vilnius University, Lithuania	Cyberpsychological Threat Intelligence <b>Murphy</b> Julie and Anthony <b>Keane</b> , Technological University Dublin, Ireland	Cyber security of Vehicle CAN bus <b>Pöyhönen</b> Jouni, Pyry <b>Kotilainen</b> , Janne <b>Kalmari</b> , Janne <b>Poikolainen</b> and Pekka <b>Neittaanmaki</b> University of Jyväskylä, Finland	Cyber Sanctions: The Embargo of Flagged Data in a Geo-Cultural Internet <b>Iftimie</b> Ion A., Central European University, Vienna, Austria and Michele C.A. <b>Iftimie</b> , USA
<b>14:45</b>	Facebook, Cambridge Analytica, Facebook and Influence Operations Case Study and Anticipatory Ethical Analysis <b>Wilson</b> Richard, Towson University/ University of Baltimore, Towson Maryland, USA	A Comparison of the Most Popular Messaging Applications in terms of Security and Privacy Features <b>Botha</b> Johnny, Carien <b>van 't Wout</b> , CSIR and Louise <b>Leenan</b> , University of the Western Cape, South Africa	Investigation and Surveillance on the Darknet: An Architecture to Reconcile Legal Aspects with Technology <b>Filiol</b> Eric and Maxence <b>Delong</b> , ESIEA - CVO Lab, Laval, France	A Framework for Improved Home Network Security <b>Craveiro</b> António, Jorge <b>Proença</b> , Tiago <b>Cruz</b> and Paulo <b>Simões</b> University of Coimbra, Portugal	The far right of the UK and Ukraine's Views about European integration: an Analysis of Online Political Discourse <b>Bolgov</b> Radomir and Olga <b>Filatova</b> , Saint Petersburg State University, Russia
<b>15:20</b>	<b>Room: B1</b> <b>Summary of the Conference</b> <b>Award to the winner of the Best PhD Paper and Best Poster</b>				
<b>15:30</b>	<b>Close of Conference</b>				

<b>Posters will be displayed from Thursday afternoon until lunchtime on Friday</b> <b>Poster Presenters will stand by their posters at 10:00 on Friday to present their work to other participants</b>					
	<b>Poster with a WIP Paper</b>	<b>Poster Only</b>	<b>Invited Posters</b>		
	US-Russian Relations in Cybersecurity: the Constructivist Dimension <b>Stadnik</b> Ilona, Saint-Petersburg State University, Russia	Cambridge Analytica, Soft Power and Influence Operations <b>Wilson</b> Richard, Towson University, Maryland, USA	A Digital Red Cross? Potential of NGOs and Neutral Countries in Cyberspace Marcel <b>Stolz</b> , University of Oxford, UK	Tracing the Path: Attack Origin Detection in Industrial Environments Anton <b>Duque</b> , Simon <b>Hans</b> and Dieter <b>Schotten</b> . German Research Center for Artificial Intelligence, Kaiserslautern, Germany	Scoping the Scenario Space for Multi-sector Cybersecurity Analysis Todor <b>Tagarev</b> , Institute of ICT, Sofia, Bulgaria and Nikolai <b>Stoianov</b> , Bulgarian Defence Institute, Sofia, Bulgaria
	Towards Automated Threat-based Risk Assessment for Cyber Security in Smarthomes <b>Pandey</b> Pankaj, Sokratis <b>Katsikas</b> and Marios <b>Anagnostopoulos</b> , Norwegian University of Science & Technology, Norway, Anastasija <b>Collen</b> , Niels <b>Nijdam</b> and Dimitri <b>Konstantas</b> , University of Geneva, Switzerland	Facebook, Russia and Influence Operations: An Anticipatory Ethical Analysis and Case Study <b>Wilson</b> Richard, Towson University, Maryland, USA	An Overview of the Accounting and tax Framework of Hardware and Software as Forensic Tools. The case study of Portuguese Private Institutions Susana Cristina <b>Aldeia</b> , Universidade Portucalense, Porto, Portugal and Ana Paula <b>Silva</b> , Polytechnic Institute of Viana do Castelo and REMIT, Portucalense University, Porto, Portugal	Optimizing Security Helvi <b>Salminen</b> , Gemalto Oy, Vantaa, Finland	Industrial Wireless Network Security: A Light-Weight Key Distribution Scheme for CPPS and IIoT Christoph <b>Lipps</b> and Hans Dieter <b>Schotten</b> , German Research Center for Artificial Intelligence, Kaiserslautern, Germany
	Mitigating Return Oriented Programming <b>Speakman</b> Lee, Thaddeus <b>Eze</b> and Samuel <b>Wairimu</b> , University of Chester, UK and David <b>Baker</b> , Pennaf Housing Group, UK		Attitudes Towards Medical Equipment Cloud Services in Healthcare Jyri <b>Rajamäki</b> and Jukka <b>Laaksonen</b> , Laurea University of Applied Sciences, Espoo, Finland		
	Applicability of Resilience Metrics in the Context of Telecommunications Services <b>Rusi</b> Tarja, University of Jyväskylä, Finland				