

# #SECREV2023 DETAILED PROGRAM

<b>1. <u>SUNGKYUNKWAN UNIVERSITY- SOUTH KOREA</u></b>	<b>4</b>
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<b>3. <u>FORUM ÉTUDIANT D'ÉCHANGE ET D'INFORMATION EN CYBERCRIMINOLOGIE &amp; CYBERCRIMEOLOGY.COM. - CANADA</u></b>	<b>4</b>
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<b>4. <u>HUMAN-CENTRIC CYBERSECURITY PARTNERSHIP &amp; CYBERCRIMEOLOGY.COM - CANADA</u></b>	<b>5</b>
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RESEARCHING RANSOMWARE AN INTERVIEW WITH VICKY DESJARDINS, CYBERCRIME PREVENTION LAB, UNIVERSITÉ DE MONTRÉAL	5
RESEARCHING TRUSTWORTHY COMPONENTS FOR SMARTGRIDS AN INTERVIEW WITH KWASI BOAKYE-BOATENG, CANADIAN INSTITUTE FOR CYBERSECURITY, UNB	5
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CHAIR: NICHOLAS LORD	5
"CHILD SAFETY IN EXTENDED REALITY" – EMMA BARRETT (THE UNIVERSITY OF MANCHESTER), UK	5
"FROM VIRTUAL BLISS TO VIRTUAL BETRAYAL: THE GROWING THREAT OF ROMANCE FRAUD IN VR SPACES" – LYSNAY SHEPHERD (ABERTAY UNIVERSITY), UK	5

“IMPLICATIONS OF XR ON PRIVACY, SECURITY AND BEHAVIOUR: INSIGHTS FROM EXPERTS” – MELVIN ABRAHAM (UNIVERSITY OF GLASGOW), UK	5
o UTC 9:00~UTC 10:00 SHOWCASING CYBERCRIME RESEARCH AT THE UNIVERSITY OF MANCHESTER	5
CHAIR: MEROPI TZANETAKIS	6
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“SELF-REGULATION VERSUS POLICING DARKNET DRUG PLATFORMS” – MEROPI TZANETAKIS (THE UNIVERSITY OF MANCHESTER), UK	6
“TRANSITIONS IN THE CRYPTOCURRENCY MARKET: EVIDENCE FROM THE RUSSIA-UKRAINE WAR” – YUANYUAN ZHANG (THE UNIVERSITY OF MANCHESTER), UK	6
<b>6. LIVEGIG LTD. - NIGERIA</b>	<b>6</b>
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SPEAKERS: FRANK BAZUAYE, LONGE KINGLSEY EHIGBAI, VICTOR I. MGBOJI, KATTAH NORMING, SHEILA ODURO, INUSAH SULEIMAN	6
<b>7. THE HAGUE UNIVERSITY OF APPLIED SCIENCES – THE NETHERLANDS</b>	<b>6</b>
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DR RUTGER LEUKFELDT	6
DR ASIER MONEVA	6
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o UTC 13:00~UTC 14:00 : ROUND TABLE: BRIDGING RESEARCH AND PRACTICE	6
MODERATOR: RUTGER LEUKFELDT, THUAS & NSCR	6
WOUTER KLIJNSOON, CYBER OFFENDER PREVENTION SQUAD (COPS), TEAM HIGH TECH CRIME, NETHERLANDS POLICE	6
KOEN HERMANS, PUBLIC PROSECUTION SERVICE (OM)	6
ELS DE BUSSEER, LEIDEN UNIVERSITY (UL)	6
ROLF VAN WEGBERG, DELFT UNIVERSITY OF TECHNOLOGY (TUD)	6
<b>8. THE UNIVERSITY OF LAUSANNE - SWITZERLAND</b>	<b>7</b>
o UTC 14:00~UTC 16:00 : METHODOLOGICAL CHALLENGES FOR THE STUDY OF CYBERCRIME OBSERVATION AND MEASUREMENT OF CYBERCRIME (PRESENTATION 10 MINUTES + 15' ROUND TABLE) - M. AEBI, A. DA SILVA. MODERATOR: S. CANEPPELE	7
DETECTION OF CYBERCRIME (PRESENTATION + PANEL DISCUSSION) - A. RENDA, G. MARGAGLIOTTI. MODERATOR : A DA SILVA	7
PREVENTION AND ITS EVALUATION: SETTING UP STUDIES WITH EXPERIMENTAL DESIGNS (PRESENTATION + ROUND TABLE) - A. DA SILVA, F. MUHLY. MODERATOR: L. MOLNAR	7
CONCLUSION BY STEFANO CANEPPELE AND AMANDINE DA SILVA	7
<b>9. THE CANADIAN INSTITUTE FOR CYBERSECURITY, THE UNIVERSITY OF NEW BRUNSWICK - CANADA</b>	<b>7</b>
o UTC 16:00~UTC 18:00 : BEYOND CLASSICAL CRYPTOGRAPHY: FEASIBILITY AND BENEFITS OF POST-QUANTUM AND HYBRID SOLUTIONS	7
INTRODUCTION BRIAN MILTHORP	7
BEYOND THE HYPE: IDENTIFYING THE TRUE QUANTUM-SECURE ALGORITHMS IN THE QUANTUM ERA - MOHAMMED YAHYA AL-DARWBI	7

FROM THEORY TO PRACTICE: ASSESSING THE VIABILITY OF POST-QUANTUM CRYPTOGRAPHY FOR VARIOUS APPLICATIONS - DR SOMAYEH SADEGHI 7

BEYOND CLASSICAL VS. POST-QUANTUM: A HYBRID APPROACH FOR THE QUANTUM ERA - DR VIKAS CHOUHAN 7

**10. ROGERS CYBERSECURE CATALYST, TORONTO METROPOLITAN UNIVERSITY- CANADA**  
**7**

- o UTC 18:00~UTC 19:00 : LEVELING THE EMPLOYER PLAYING FIELD 8  
MODERATED BY AGATA KAZIMIERSKI, SENIOR ADVISOR, ROGERS CYBERSECURE CATALYST 8
- o UTC 19:00~UTC 20:00 CYBERSECURITY TALENT PIPELINE MANAGEMENT: A COMMUNITY-BASED APPROACH 8  
RANDY PURSE, SENIOR CYBERSECURITY ADVISOR, ROGERS CYBERSECURE CATALYST 8

**11. THE CENTRE FOR CYBERCRIME INVESTIGATION AND CYBERSECURITY & THE ESCUELA LATINOAMERICANA DE CIBERCRIMINOLOGÍA**  
**8**

- o UTC 20:00~UTC 22:00 : CYBERCRIMINALS AND THEIR TECHNOLOGIES FOR ONLINE VICTIMIZATION / CIBERCRIMINALES Y SUS TECNOLOGÍAS PARA LA VICTIMIZACIÓN EN LÍNEA 8  
HOSTS: MIKE TORO, ANA CASTAÑENDA 8  
DELINCUENTES SEXUALES EN ENTORNOS DIGITALES - RAFAEL GARCÍA BORDA, ARGENTINA 8  
LUDICROUS SPEED. EL ROBO DEL SIGLO - TOMAS MORENO, MEXICO 8  
SIM SWAP. MINIMIZANDO SU IMPACTO - WALTER HUAMÁN, PERU 8  
MALWARE BANCARIO. UN ATAQUE PEQUEÑO CON IMPACTOS POTENCIALMENTE ENORMES - MARIA EMILIA IRRAZABAL, URUGUAY 8  
SPEAR PHISHING, SUS VARIANTES Y MODUS OPERANDI - ARMANDO VALENCIA, MEXICO 8  
LA REVOLUCIÓN DEL PLANETA CIBERSEGURIDAD - ANDRÉS AGUILERA, COLOMBIA 8

**12. SIMON FRASER UNIVERSITY - CANADA**  
**8**

- o UTC 22:00~UTC 23:00 : AN EXPLORATION OF SEX TRAFFICKING 8  
NOELLE WARKENTIN - HIDDEN IN PLAIN SIGHT: USING CONTACT INFORMATION TO IDENTIFY SEX TRAFFICKING IN ONLINE ADVERTISEMENTS 9  
CICILIA ZHANG - ONE HUNDRED PERCENT "INDEPENDENT" OR NOT? A CLOSER LOOK AT ONLINE ADVERTISEMENTS OF SEXUAL SERVICES 9
- o UTC 23:00~UTC 24:00 : AN EXPLORATION DISINFORMATION 9  
KARVMIR PADDA (UNIVERSITY OF WATERLOO), SARAH-MAY STRANGE, BARRY CARTWRIGHT & RICHARD FRANK (SIMON FRASER UNIVERSITY) - THEMATIC ANALYSIS OF MAJOR DISINFORMATION NARRATIVES AND DISCURSIVE TECHNIQUES EMPLOYED BY RUSSIAN, CHINESE, AND IRANIAN OPERATIVES: A CANADIAN VIEWPOINT 9  
RICHARD FRANK, SARAH-MAY STRANGE, KARVMIR PADDA & BARRY CARTWRIGHT - UTILIZING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TO IDENTIFY AND RESPOND TO DIGITAL DISINFORMATION ACTIVITIES ORCHESTRATED BY ADVERSARIAL STATE ACTORS: A "MADE-IN-CANADA" SOLUTION 9

## **1. SUNGKYUNKWAN UNIVERSITY- SOUTH KOREA**

- UTC 0 :00~UTC 2 :00 : Digital Forensics and Cybersecurity

Speakers: Dr Gibum Kim and Colleagues

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## **2. CENTRE FOR CYBER RESILIENCE AND TRUST, DEAKIN UNIVERSITY- AUSTRALIA**

- UTC 2 :00~UTC 4 :00 : From virtual kidnapping to cyber extortion: Australian and regional perspectives

Speakers: Dr Lennon Chang, Dr Cassandra Cross, Dr James Martin, Dr Chad Whelan

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## **3. FORUM ÉTUDIANT D'ÉCHANGE ET D'INFORMATION EN CYBERCRIMINOLOGIE & CYBERCRIMEOLOGY.COM. - CANADA**

- UTC 4:00~UTC 5:00 : Boys, Borders and Bucks

Les répercussions des cryptomonnaies sur la détection de schémas suspicieux au sein des activités de conformité - Gabriel Arvisais

Let's Chat about Boys – Gabrielle Bélair

Franchir la frontière de la criminalité en ligne : Mythe ou Réalité - Léanne Vincendon

- UTC 5:00~UTC 6:00 : Next Generation Researchers

Research and the incel community, an interview with Allysa Czerwinsky, The University of Manchester

Research and Digital Forensics, an interview with Diana Benítez, Instituto Politécnico Nacional de México

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#### **4. HUMAN-CENTRIC CYBERSECURITY PARTNERSHIP & CYBERCRIMEOLOGY.COM - CANADA**

- UTC 6:00~UTC 7:00 : Next Generation Researchers  
Researching Encyption for Smartgrids, and interview with Shabnam Saderi, Canadian Institute for Cybersecurity, UNB  
Researching Ransomware an interview with Vicky Desjardins, Cybercrime Prevention Lab, Université de Montréal  
Researching Trustworthy components for Smartgrids an interview with Kwasi Boakye-Boateng, Canadian Institute for Cybersecurity, UNB
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#### **5. THE CENTRE FOR DIGITAL TRUST AND SOCIETY, THE UNIVERSITY OF MANCHESTER - UK**

- UTC 8:00~UTC 9:00 : Crime and Security in the Metaverse  
Chair: Nicholas Lord  
“Child safety in extended reality” – Emma Barrett (The University of Manchester), UK  
“From Virtual Bliss to Virtual Betrayal: The Growing Threat of Romance Fraud in VR Spaces” – Lynsay Shepherd (Abertay University), UK  
“Implications of XR on Privacy, Security and Behaviour: Insights from Experts” – Melvin Abraham (University of Glasgow), UK
- UTC 9:00~UTC 10:00 Showcasing Cybercrime Research at The University of Manchester

Chair: Meropi Tzanetakis

“The digital harms of smart home devices: A systematic literature review” – David Buil-Gil (The University of Manchester), UK

“Self-regulation versus policing darknet drug platforms” – Meropi Tzanetakis (The University of Manchester), UK

“Transitions in the cryptocurrency market: Evidence from the Russia-Ukraine war” – Yuanyuan Zhang (The University of Manchester), UK

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## 6. LIVEGIG LTD. - NIGERIA

- UTC 10:00~UTC 12:00 : Cyber Crime In Nigeria: Tools For Prevention, Investigation & Prosecution

Speakers: Frank Bazuaye, Longe Kinglsey Ehigbai, Victor I. Mgboji, Kattah Norming, Sheila Oduro, Inusah Suleiman

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## 7. THE HAGUE UNIVERSITY OF APPLIED SCIENCES – THE NETHERLANDS

- UTC 12:00~UTC 13:00 : Applied cybercrime research
- UTC 13:00~UTC 14:00 : Round Table: Bridging research and practice

Moderator: Rutger Leukfeldt, THUAS & NSCR

Wouter Klijnsoorn, Cyber Offender Prevention Squad (COPS), Team High Tech Crime, Netherlands Police

Koen Hermans, Public Prosecution Service (OM)

Els de Busser, Leiden University (UL)

Rolf van Wegberg, Delft University of Technology (TUD)

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## **8. THE UNIVERSITY OF LAUSANNE - SWITZERLAND**

- UTC 14:00~UTC 16:00 : Methodological challenges for the study of cybercrime

Observation and measurement of cybercrime (presentation 10 minutes + 15' round table) - M. Aebi, A. Da Silva. Moderator: S. Caneppele

Detection of cybercrime (presentation + panel discussion) - A. Renda, G. Margagliotti. Moderator : A Da Silva

Prevention and its evaluation: setting up studies with experimental designs (presentation + round table) - A. Da Silva, F. Muhly. Moderator: L. Molnar

Conclusion by Stefano Caneppele and Amandine Da Silva

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## **9. THE CANADIAN INSTITUTE FOR CYBERSECURITY, THE UNIVERSITY OF NEW BRUNSWICK - CANADA**

- UTC 16:00~UTC 18:00 : Beyond Classical Cryptography: Feasibility and Benefits of Post-Quantum and Hybrid Solutions

Introduction Brian Milthorp

Beyond the Hype: Identifying the True Quantum-Secure Algorithms in the Quantum Era - Mohammed Yahya Al-Darwbi

From Theory to Practice: Assessing the Viability of Post-Quantum Cryptography for Various Applications - Dr Somayeh Sadeghi

Beyond Classical vs. Post-Quantum: A Hybrid Approach for the Quantum Era - Dr Vikas Chouhan

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## **10. ROGERS CYBERSECURE CATALYST, TORONTO METROPOLITAN UNIVERSITY- CANADA**

- UTC 18:00~UTC 19:00 : Leveling the Employer Playing Field  
Moderated by Agata Kazimierski, Senior Advisor, Rogers Cybersecure Catalyst
  - UTC 19:00~UTC 20:00 Cybersecurity talent pipeline management: A community-based approach  
Randy Purse, Senior Cybersecurity Advisor, Rogers Cybersecure Catalyst
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## **11. THE CENTRE FOR CYBERCRIME INVESTIGATION AND CYBERSECURITY & THE ESCUELA LATINOAMERICANA DE CIBERCRIMINOLOGÍA**

- UTC 20:00~UTC 22:00 : Cybercriminals and their technologies for online victimization  
/ Cibercriminales y sus tecnologías para la victimización en línea  
Hosts: Mike Toro, Ana Castañenda  
Delincuentes sexuales en entornos digitales - Rafael García Borda, Argentina  
Ludicrous speed. El robo del siglo - Tomas Moreno, Mexico  
Sim swap. Minimizando su impacto - Walter Huamán, Peru  
Malware bancario. Un ataque pequeño con impactos potencialmente enormes - Maria Emilia Irrazabal, Uruguay  
Spear Phishing, sus variantes y modus operandi - Armando Valencia, Mexico  
La revolución del planeta ciberseguridad - Andrés Aguilera, Colombia
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## **12. SIMON FRASER UNIVERSITY - CANADA**

- UTC 22:00~UTC 23:00 : An exploration of sex trafficking



Noelle Warkentin - Hidden in Plain Sight: Using Contact Information to Identify Sex Trafficking in Online Advertisements

Cicilia Zhang - One Hundred Percent “Independent” or not? A Closer Look at Online Advertisements of Sexual Services

○ **UTC 23:00~UTC 24:00 : An exploration disinformation**

Karmvir Padda (University of Waterloo), Sarah-May Strange, Barry Cartwright & Richard Frank (Simon Fraser University) - Thematic Analysis of Major Disinformation Narratives and Discursive Techniques Employed by Russian, Chinese, and Iranian Operatives: A Canadian Viewpoint

Richard Frank, Sarah-May Strange, Karmvir Padda & Barry Cartwright - Utilizing Artificial Intelligence and Machine Learning to Identify and Respond to Digital Disinformation Activities Orchestrated by Adversarial State Actors: A “Made-in-Canada” Solution