



## HAISA 2023

**Seventeenth IFIP International Symposium on  
Human Aspects of Information Security & Assurance**

## Conference Programme

*HAISA 2023 is hosted by the Institute of Cyber Security for Society (iCSS)  
at the University of Kent.*

*The conference will take place in the Grimond Building, University of Kent,  
Canterbury, Kent, CT2 7NZ, UK.*

*Please Note: All timings are local UK Time*

**Tuesday 4<sup>th</sup> July**  
**Conference Day 1**

**Zoom Link – TBC**

9.00-9:15	<b>Conference Welcome – Prof. Steven Furnell</b>
9.15-10:00	<p><b>Keynote:</b> Preparing for Tomorrow's Threats: Strengthening Cyber Resilience through a People-First Approach</p> <p><b>Abstract:</b> With an increasing cybersecurity threat landscape and corresponding policy measures to strengthen the cyber resilience of organisations, it is pivotal to have a people-first cybersecurity strategy to mitigate risks and capitalise on opportunities resulting from technological advancement. The global cybersecurity sector needs to enhance, expand, and diversify to address the current challenges and prepare for the future. This keynote will discuss key findings from (ISC)<sup>2</sup>'s preeminent annual Workforce Study on the challenges and opportunities facing the cybersecurity profession, and uncover solutions that will enable the whole cyber ecosystem to develop and access a large and suitably-skilled talent. The keynote will also discuss the changing legislative, regulatory and policy landscape and what that means for the human aspect of cybersecurity.</p> <p><b>Biography:</b> Dr. Sanjana Mehta supports (ISC)<sup>2</sup>'s global advocacy strategy while also operating as the lead advocate in advancing the organization's public policy and thought leadership goals in the United Kingdom. She joined (ISC)<sup>2</sup> in 2019 and was responsible for developing a strategic understanding of markets and customers in the EMEA region. Sanjana served on the UK Cyber Security Council formation project board to oversee the launch of the new Council. Sanjana has 20 years of experience in the education sector. She has worked in India, Belgium, and the UK in a variety of roles, such as research, program management, product development, and policy.</p>
10.00-10.50	<p><b>Session 1</b> (<i>Chair: Nathan Clarke, University of Plymouth, UK</i>)</p> <p><i>Combating digital exclusion with cybersecurity training – an interview study with Swedish seniors</i> Joakim Kävrestad, David Lindvall and Marcus Nohlberg</p> <p><i>Another look at cybersecurity awareness programs</i> Basie Von Solms, Jaco du Toit and Elmarie Kritzinger</p>
10.50-11.10	<b>Coffee Break</b>

11.10-12.50	<p><b>Session 2 (Chair:TBC)</b></p> <p>It's more than just money: Understanding the real-world harms of ransomware attacks <i>Nandita Pattnaik, Jason Nurse, Sarah Turner, Gareth Mott, Jamie MacColl, Pia Huesch and James Sullivan</i></p> <p>A qualitative content analysis of actionable advice in Swedish public agencies' information security policies Elham Rostami and Fredrik Karlsson</p> <p>Business Language for Information Security <i>Dinh Uy Tran and Audun Jøsang</i></p> <p>“Check, check, check, we got those” – Catalogue use in information security risk management <i>Erik Bergström, Martin Lundgren, Karin Bernsmed and Guillaume Bour</i></p>
12.50-14.00	<b>Lunch</b>
14.00-15.40	<p><b>Session 3 (Chair:TBC)</b></p> <p>Cyberthreats in Modern Cars: Responsibility and Readiness of Auto Workshops <i>David Hedberg, Martin Lundgren and Marcus Nohlberg</i></p> <p>Proposed guidelines for website data privacy policies and an application thereof Armand Vorster and Adele Da Veiga</p> <p>Decreasing Physical Access Bottlenecks through Context-Driven Authentication <i>Khutso Lebea and Wai Sze Leung</i></p> <p>Blockchain in Oil and Gas Supply Chain: A Literature Review from User Security and Privacy Perspective <i>Urvashi Kishnani, Srinidhi Madabhushi and Sanchari Das</i></p>
15.40-16.10	<b>Coffee Break</b>
16.10-17.00	<p><b>Session 4 (Chair: Jason Nurse, University of Kent, UK)</b></p> <p>A Review of Constructive Alignment in Information Security Educational Research <i>Vuyolwethu Mdunyelwa, Lynn Fitcher and Johan van Niekerk</i></p> <p>What goes around comes around; effects of unclear questionnaire items in information security research <i>Marcus Gerdin, Åke Grönlund and Ella Kolkowska</i></p>
17.00	<b>Day Close</b>

### 18.30 - Guided walk around Canterbury

See <https://www.canterburyguidedtours.com/>

Meeting the tour guide in the city centre at 18.30

*(Departing from the campus at 17.45 for those who wish to do bonus walking to get there)*

**Wednesday 5<sup>th</sup> July**  
**Conference Day 2**

**Zoom Link - TBC**

9.00-9.15	<b>IFIP WG11.12 Update – Prof Kerry-Lynn Thomson (WG11.12 Chair)</b>
9.15-11.00	<p><b>Session 1</b> (<i>Chair: Kerry-Lynn Thomson, Nelson Mandela University, South Africa</i>)</p> <p>Towards roles and responsibilities in cyber security awareness framework for South African Small, Medium, and Micro Enterprises (SMMEs) <i>Tebogo Lejaka, Adele Da Veiga and Marianne Look</i></p> <p>Is Your CISO Burnt Out Yet? Examining Demographic Differences in Workplace Burnout amongst Cyber Security Professionals <i>Andrew Reeves, Malcolm Pattinson and Marcus Butavicius</i></p> <p>An Investigation into the Cybersecurity Skills Gap in South Africa <i>Michael de Jager, Lynn Fitcher and Kerry-Lynn Thomson</i></p> <p>Cybersecurity-related behavior of personnel in the Norwegian industry <i>Kristian Kannelønning and Sokratis Katsikas</i></p>
11.00-11.30	<b>Coffee Break</b>
11:30-12.45	<p><b>Session 2</b> (<i>Chair: Joakim Kävrestad, University of Skövde, Sweden</i>)</p> <p>Are People With Cyber Security Training Worse at Checking Phishing Email Addresses? Testing The Automaticity Of Checking The Sender’s Address. <i>Daniel Conway, Marcus Butavicius, Kun Yu and Fang Chen</i></p> <p>Content Analysis of Persuasion Principles in Mobile Instant Message Phishing <i>Rufai Ahmad, Sotirios Terzis and Karen Renaud</i></p> <p>Six-Year Study of Emails Sent to Unverified Addresses <i>Alexander Joukov and Nikolai Joukov</i></p>
12.45-14.00	<b>Lunch</b>
14.00-15.15	<p><b>Session 3</b> (<i>Chair:TBC</i>)</p> <p>Analyzing Cybersecurity Definitions for Non-experts <i>Lorenzo Neil, Julie Haney, Kerriane Buchanan and Charlotte Healy</i></p> <p>Chatbots: A Framework for improving information security behaviours using ChatGPT <i>Tapiwa Gundu</i></p> <p>Factors influencing Internet of Medical Things (IoMT) Cybersecurity Protective Behaviours among Healthcare Workers <i>Sinazo Brown, Zainab Ruhwanya and Ayanda Pekane</i></p>

15.15-15.45	<b>Coffee Break</b>
15.45-17.25	<p><b>Session 4 (Chair:TBC)</b></p> <p>Cybersecurity training acceptance: A literature review <i>Joakim Kävrestad, Wesam Fallatah and Steven Furnell</i></p> <p>Cyber Range Exercises: Potentials and Open Challenges for Organizations <i>Magdalena Glas, Fabian Böhm, Falko Schönreich and Günther Pernul</i></p> <p>An Adaptive Plug-and-Play (PnP) Interactive Platform for an E-Voting based Cybersecurity Curricula <i>Muwei Zheng, Nathan Swearingen, William Silva, Matt Bishop and Xukai Zou</i></p> <p>Cyber Security Awareness and Education Support for Home and Hybrid Workers <i>Fayez Aloatibi, Steven Furnell and Ying He</i></p>
17.25	<b>Day Close</b>

<b>19.00 - Conference Dinner</b> <b>(incl. Best Paper awards)</b>	
<b>Café du Soleil</b> 4-5 Pound Lane, Canterbury, CT2 8AA ( <a href="https://cafedusoleil.co.uk/">https://cafedusoleil.co.uk/</a> )	

**Thursday 6<sup>th</sup> July**  
**Conference Day 3**

**Zoom Link - TBC**

9.00-10.45	<p><b>Session 1</b> (<i>Chair:TBC</i>)</p> <p>On-Campus Hands-On Ethical Hacking Course <i>Leonardo Martucci, Jonathan Magnusson and Mahdi Akil</i></p> <p>Planning for professional development in cybersecurity: A new curriculum design <i>Eliana Stavrou</i></p> <p>A comprehensive design framework for multi-disciplinary cyber security education <i>Gregor Langner, Steven Furnell, Gerald Quirchmayr and Florian Skopik</i></p> <p>Key Elements for Cybersafety Education of Primary School Learners in South Africa <i>Lynn Fitcher, Kerry-Lynn Thomson, Lean Kucherera and Noluxolo Gcaza</i></p>
10.45-11.15	<b>Coffee Break</b>
11.15-12.30	<p><b>Session 2</b> (<i>Chair:TBC</i>)</p> <p>Evaluating the Risks of Human Factors Associated with Social Media Cybersecurity Threats <i>Fai Ben Salamah, Marco Palomino, Maria Papadaki, Matthew J. Craven and Steven Furnell</i></p> <p>Online Security Attack Experience and Worries of Young Adults in the Kingdom of Saudi Arabia <i>Najla Aldaraani, Helen Petrie and Siamak Shahandashti</i></p> <p>To Catch a Thief: Examining socio-technical variables and developing a pathway framework for IP theft insider attacks <i>Monica Whitty, Christopher Ruddy and David Keatley</i></p>
12.30-13.45	<b>Lunch</b>
13.45-15.25	<p><b>Session 3</b> (<i>Chair:TBC</i>)</p> <p>Célia Martinie and Bilal Naqvi. On using the Task Models for Validation and Evolution of Usable Security Design Patterns</p> <p>Factors associated with the cybersecurity culture: a quantitative study of public e-health hospitals in South Africa <i>Emilia Mwim, Jabu Mtsweni and Bester Chimbo</i></p> <p>The influence of interpersonal factors on telecommuting employees' cybercrime preventative behaviours during the pandemic <i>Tim Wright, Zainab Ruhwanya and Jacques Ophoff</i></p>

	Towards a Framework for the Personalization of Cybersecurity Awareness Salwa Alotaibi, Steven Furnell and Ying He
15.25-15.40	<b>Closing Remarks and HAISA 2024</b>
15.40	<b>End of event</b>

**Thank you for attending**