

Submission - Registration Program Committees

Keynote Speakers Travel Guide

Publications Online Access

Program

Day One - 12 June 2024

8:45-9:00	Opening and Welcome
9:00-10:00	Keynote Speaker: Prof Basie Von Solms: The Security Genie is out of the bottle – can we force it back?
10:00-10:30	Coffee Break
10:30-12:35	Machine Learning in Cybersecurity
	Large Scale Heap Dump Embedding for Machine Learning: Predicting OpenSSH Key Locations – Florian Rascoussier and Clément Lahoche
	Can Synthetic Data preserve Manifold properties – Sonakshi Garg and Vicenc Torra
	Predicting the execution time of secure neural network inference – Eloise Zhang and Zoltan Adam Mann
11:45-12:45	Lunch Break
12:45-14:25	Cryptography and Distributed Ledger Technology
	Bruteware: A novel family of cryptoviral attacks – Valerio Coletti, Emil Müller, Frederik Meyer Lehmann Lundsbjerg and Nicola Dragoni
	Xproofs: New Aggregatable and Maintainable Matrix Commitment with Optimal Proof Size – Xinwei Yong, Jiaojiao Wu and Jianfeng Wang
	IPEQ: Querying Multi-Attribute Records with Inner Product Encryption – Marin Matsumoto, Tsubasa Takahashi and Masato Oguchi
	Transforming EU Governance: The Digital Integration through EBSI and GLASS – Dimitrios Kasimatis, William J Buchanan, Mwarwan Abubakar, Owen Lo, Christos Chrysoulas, Nikolaos Pitropakis, Pavlos Papadopoulos, Sarwar Sayeed and Marc Sel

14:55-17:00 Attacks and their detection I

Session Replication Attack through QR Code Sniffing in Passkey CTAP Registration – Donghyun Kim, Seungmin Kim, Gwonsang Ryu and Daeseon Choi

Rasd: Semantic Shift Detection and Adaptation for Multi-Classification NIDS – Fahad Alotaibi and Sergio Maffeis

Neurosymbolic learning in the XAI framework for enhanced cyberattack detection with expert knowledge integration – Chathuranga Sampath Kalutharage, Xiaodong Liu, Christos Chrysoulas and Oluwaseun Bamgboye

Cross-validation for Detecting Label Poisoning Attacks on Machine Learning Algorithms – Tharindu Lakshan Yasarathna, Lankeshwara Munasinghe, Harsha Kalutarage and Nhien An Le Khac

Detecting Web Bots via Keystroke Dynamics – August See, Adrian Westphal, Cornelius Weber and Mathias Fischer

Day Two - 13 June 2024

09:00-10:00	Keynote Speaker – Prof Costas Lambrinoudakis: Exploring Evidentiary Data within OpenAI's ChatGPT for Digital Forensics
10:00-10:30	Coffee Break
10:30-12:10	Privacy
	"Alexa, How Do You Protect My Privacy?" A Quantitative Study of User Preferences and Requirements about Smart Speaker Privacy Setting –

"Alexa, How Do You Protect My Privacy?" A Quantitative Study of User Preferences and Requirements about Smart Speaker Privacy Setting – Luca Hernández Acosta and Delphine Reinhardt

Hiding Your Awful Online Choices Made More Efficient and Secure: A New Privacy-Aware Recommender System – Shibam Mukherjee, Roman Walch, Fredrik Meisingseth, Elisabeth Lex and Christian Rechberger

PRIDA: PRIvacy-preserving Data Aggregation with multiple data customers – Beyza Bozdemir, Betül Aşkın Özdemir and Melek Önen

Reduce to the MACs – Privacy Friendly Generic Probe Requests – Johanna Ansohn McDougall, Alessandro Brighente, Anne Kunstmann, Niklas Zapatka and Hannes Federrath

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12:10-13:10	Lunch Break
13:10-15:15	Attacks and Their Detection II
	Satellite: Effective and Efficient Stack Memory Protection Scheme for Unsafe Programming Languages – Hongjoo Jin, Sumin Yang, Moon Chan Park, Haehyun Cho and Dong Hoon Lee
	GAD: A Real-time Gait Anomaly Detection System with Online Adaptive Learning – Ming-Chang Lee, Jia-Chun Lin and Sokratis Katsikas
	DryJIN: Detecting Information Leaks in Android Applications – Minseong Choi, Yubin Im, Steve Ko, Yonghwi Kwon, Yuseok Jeon and Haehyun Cho
	A Structural-Semantic Approach Integrating Graph-based and Large Language Models Representation to Detect Android Malware – Irshad Khan and Young-Woo Kwo
	Malicious Insider Threat Detection Using Sentiment Analysis Of Social Media Topics – Matt Kenny, Nikolaos Pitropakis, Sarwar Sayeed, Christos Chrysoulas and Alexios Mylonas
15:15-15:45	Coffee Break
15:45-17:25	Authentication Authorisation and Access Control
	Examining the Strength of Three Word Passwords – William Fraser, Matthew Broadbent, Nikolaos Pitropakis and Christos Chrysoulas
	Putting Authorization Servers on User-owned Devices in User- Managed Access – Masato Hirai, Daisuke Kotani and Yasuo Okabe
	Cognition Behind Access Control: A Usability Comparison of Rule- and Category-based Mechanisms – Denis Obrezkov
	Queuing Theoretic Analysis of Dynamic Attribute-based Access Control Systems – Gaurav Madkaikar, Shamik Sural, Jaideep Vaidya and Vijay Atluri
18:30	Social Dinner

Day Three - 14 June 2024

09:00-10:00	Keynote Speaker: Siân John MBE: Net Zero and AI / Cybersecurity. Considering the environmental challenge of analytics
10:00-10:30	Coffee Break

10:30-12:35	Threats and Vulnerabilities
	Keep your memory dump shut: Unveiling data leaks in password managers – Efstratios Chatzoglou, Vyron Kampourakis, Zisis Tsiatsikas, Georgios Karopoulos and Georgios Kambourakis
	Obfuscating Code Vulnerabilities against Static Analysis in Android Apps – Francesco Pagano, Luca Verderame and Alessio Merlo
	Exploring a Low-Cost Hardware Reverse Engineering Approach: A Use Case Experiment – André Waltoft-Olsen, Phillip Johnson, Lasse Øverlier and Geir Olav Dyrkolbotn
	Identification of cyber threats and vulnerabilities in Norwegian distribution networks – Martin Gilje Jaatun, Jørn Foros and Maren Istad
	Multi-Method Approach to Human Expertise, Automation, and Artificial Intelligence for Vulnerability Management – Mehdi Saadallah, Abbas Shahim and Svetlana Khapova
12:35-13:35	Lunch Break
13:35-15:15	Trust and Trusted Computing
	Towards Practical Hardware Fingerprinting for Remote Attestation – Michael Eckel, Florian Fenzl and Lukas Jäger
	LightArmor: A Lightweight Trusted Operating System Isolation Approach for Mobile Systems – Nan Jiang, Qihang Zhou, Xiaoqi Jia, Jiayun Chen, Qingjia Huang and Haichao Du
	Towards a Mobility-Aware Trust Model for the Internet of Underwater Things – Abeer Almutairi, Xavier Carpent and Steven Furnell
	Chain of trust: Unraveling the references among Common Criteria certified products – Adam Janovský, Lukasz Chmielewski, Petr Svenda, Ján Jančár and Vashek Matyas
15:15-15:30	Closing



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