

2024

[CRISIS]

19th International Conference
on Risks and Security of Internet
and Systems





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PROGRAM



PROGRAM

TUESDAY 26 NOVEMBER - AFTERNOON

TIME	ACTIVITY
12:00 - 13:00	 Registration & Welcome Coffee
13:00 - 13:45	 Opening Ceremony & CRISIS 2024 Presentation
13:45 - 14:30	 Keynote speaker, Yanis LINGE, STMicroelectronics Company
14:30 - 16:00	 Session 1: Security Network Protocols I Marwa Chaieb , Karam Bou-Chaaya and Helmi Rais Q-Auth, « Decentralized and Quantum-Secure Authentication Protocol for Vehicular Networks » Yoshifumi Manabe and Naoki Kobayashi, « Card-based secure evaluation of decision trees » Solayman Ayoubi , Sebastien Tixeuil, Gregory Blanc and Houda Jmila Freida, « A Concrete Tool for Reproducible Evaluation of IDS using a Data-driven Approach »
16:00 - 16:30	 Coffee break
16:30 - 18:30	 Session 2: AI-Driven Threat Detection I Marilena Lupas.cu, Silviu-Constantin Vitel , Dragos Teodor Gavrilut and Henri Luchian, « On the properness of Large Language Models for malware detection » Alan Birchler De Allende , Bastien Sultan and Ludovic Apvrille, « Automated Attack Tree Generation Using Artificial Intelligence & Natural Language Processing » Remi Grzeczkwicz , Christopher Neal, Neda Baghalizadeh-Moghadam, Nora Boulahia-Cuppens and Frederic Cuppens, « Classifying Insider Threat Scenarios Through Explainable Artificial Intelligence » Sereysethy Touch , Jérôme Fink and Jean-Noël Colin, « Automated Risk Assessment of Shell-based Attacks using a LLM »
18:30 - 19:30	 Free time
19:30 - 22:00	 Dinner

TIME	ACTIVITY
08:30 - 10:30	 Session 3: Security Network Protocols II Mohamed Amine Ben Haj Salah , Romain Laborde, Abdelmalek Benzekri, Afonso Ferreira and Mohamed Ali Kandi Identity management in cross-cloud environments: Towards self-sovereign identities using current solutions Quentin Rouland , Kamel Adi, Omer Nguena Timo and Luigi Logrippio, « Detecting Information Disclosure Vulnerability in Software Architectures Using Alloy » Amir Sharif , Zahra Ebadi Ansaroudi, Giada Sciarretta, Daniela Pohn, Majid Mollaeefar, Wolfgang Hommel and Silvio Ranise, « Protecting Digital Identity Wallet: A Threat Model in the Age of eIDAS 2.0 » ONLINE Hannes Salin , « Small Mistakes with Big Impacts : A Study on Secure Coding Practices in Java Open Source Projects »
10:30 - 11:00	 Coffee break
11:00 - 12:30	 Session 4: Information Security Management I Hamza Khemissa , Karam Bou-Chaaya and Helmi Rais, « ECUKM :An Efficient Key Management for In-Vehicle Networks » Camille Dubedout and Manuel Munier , « Towards new models of information sharing » ONLINE Raphael Khoury , Sylvain Hallé and Muni Venkateswarlu Kumaramangalam, « Distributed and Verifiable Digital Badges »
12:30 - 13:45	 Lunch







PROGRAM



WEDNESDAY 27 NOVEMBER - AFTERNOON

TIME	ACTIVITY
13:45 - 14:30	 Keynote Speaker - Thierry Lecomte, CLEARSY Company
14:30 - 16:00	 Session 5: Information Security Management II Mevre Tunca , « European and British Regulatory Perspectives: A Systematic Literature Review on Privacy by Design » Souheib Yousfi_ and Marwa Chaieb , « Enhancing Privacy in Association Rule Mining on Healthcare Data: A CCA-Secure Homomorphic El-Gamal Approach » ONLINE Maria Patrizia Carello , Silvia Bonomi and Leonardo Querzoni, « A study on NLP-based semi-automated mapping of cybersecurity controls on vulnerabilities »
16:00 - 16:30	 Coffee break
16:30 - 18:30	 Session 6: Applied Cryptography & Privacy I Adam Talbi, Sourav Rai , Christophe Rodrigues and Nga Nguyen, « Detecting Obfuscated Android Malware through Categorized Smali N-gram Instructions and Ensemble Learning » Ayten Dilara Yavuz and M. Emre Gursoy, « Injecting Bias into Text Classification Models using Backdoor Attacks» ONLINE Moez Hachicha and Salma Bradai, « Investing in Renewable Energy: Securing solar panels marketplace by NFT » ONLINE Ismehene Chaouch , Anis Naanaa and Sadok El Asmi, « Enhancing Text Encryption in Cloud Computing Using a Hyper-Chaotic System with Logistic Map »
18:30-19:30	 Free time
19:30-22:00	 Gala Dinner



PROGRAM
THURSDAY 28 NOVEMBER - MORNING

TIME	ACTIVITY
08:30 - 10:30	 Session 7: Threats Detection & Protection Guillaume Nibert , Sébastien Tixeuil, Baptiste Polvé, Nana J. Bakalafoua M'Boussi and Xuan Son Nguyen, « Preventing WebRTC IP Address Leaks » Alexandre D'Hondt , Charles-Henry Bertrand Van Ouytsel and Axel Legay, « Highlighting the Impact of Packed Executable Alterations with Unsupervised Learning » Kris Heid and Jens Heider, « Device Fingerprinting Remediation in Android and iOS Apps » Laurent Bobelin and Usman Rabiu Isah , « Towards Operational Intrusion Detection Systems Dedicated to Agriculture: Challenges and Requirements »
10:30 - 11:00	 Coffee break
11:00 - 12:30	 Session 8: Risk Identification & Management Rim Brahim , Simon Collart-Dutilleul, Philippe Bon, Pierre-Antoine Laharotte and Nour-Eddin El Faouzi, « A safety kernel for flexible level crossing management » Angesom Ataklity Tesfay and Jonathan Villain , « Efficient Identification of UAVs through Automatic Communication Frame Linking » Balla Moussa Dioubate , « Enterprise Risk Management in SMEs: Insights from West Africa »
12:30 - 13:30	 Lunch

TIME	ACTIVITY
13:30 - 15:00	 Session 9: Blockchain & Distributed Ledger Security Seddik Reguieg, Simon Collart-Dutilleul and Philippe Bon, « A multi modal ontology integrating Pedestrian Safety in Pod Transfers » Riccardo Longo, Majid Mollaeefer , Umberto Morelli, Chiara Spadafora, Alessandro Tomasi and Silvio Ranise, « Modeling and Assessing Coercion Threats in Electronic Voting » ONLINE Reyhaneh Rabaninejad , Antonis Michalas and Salil Kanhere, « Rainbow Over Clouds: A Lightweight Pairing-free Multi-Replica Multi-Cloud Public Auditing Scheme »
15:00 - 15:15	 Coffee break
15:15 - 16:45	 Session 10: AI-Driven Threat Detection ONLINE Elena Fedorchenko, Nikita Busko and Evgenia Novikova , « Automated Assessment of the Exploits using Deep Learning Methods » Silvia Bonomi, Marco Cuoci, Simone Lenti and Alessandro Palma , « Improving Attack Graph-based Self-Protecting Systems: A Computational Pipeline for Accuracy-Scalability Trade-off » Foucauld Estignard , Adrien Djebbar, Hugo Dedit, Sourav Rai, Adam Talbi, Nga Nguyen and Christophe Rodrigues, « Relevance of Imaged-based Representation for Android Malware Detection »
16:45 - 17:00	 Closing & Conference Wrap-up
