

Joint 6G-PHYSEC & INTERACT Workshop on 6G technologies and PHY layer security
June 17th, 2024, Helsinki, Finland

Preliminary program

Morning session	
9:00-11:00	Keynotes
	Dr. Valeria Loscri, INRIA, France (BEiNG Wise) TBD (INTERACT)
11:00-11:15	Coffee break
11:15-12:15	Panel discussion. Toward 6G: key technologies and security perspective
	Dr. Hamed Ahmadi, University of York, UK (INTERACT) Dr. Carles Antón, CTTC, Spain (INTERACT) Dr Ali Khalighi, Ecole Centrale Marseille, France (NEW FOCUS) Prof. Arsenia Chorti, ENSEA, France (6G-PHYSEC)
12:15-13:30	Lunch break
Afternoon session	
13:30-14:50	Technical presentations – session A
	Onur Günlü, Matthieu Bloch, Rafael F. Schaefer, and Aylin Yener: Secure Integrated Sensing and Communication (ISAC): An Information-theoretic Perspective
	Ferdi Kara, Emil Björnson, Alva Kosasih, Parisa Ramezani and Murat Babek Salman: Exploring Upper Mid-Band Massive MIMO: Envisioning 6G's Frontier
	Robert Zakrzewski: Detecting gNB Physical Layer Spoofing Attacks using Lightweight Integrated Sensing and Communications (ISAC) for Binary Classification Tasks
	João Martins, Marco Gomes, Vitor Silva and Rui Dinis: Leveraging CSI prediction toward Physical Layer Spoofing Detection
15:00-15:30	Coffee break
15:30-16:50	Technical presentations – session B
	Hong-fu Chou, Thang X. Vu, Ilora Maity, Sean Longyu Ma, Symeon Chatzinotas and Björn Ottersten: Empirical Risk-aware Machine Learning on Trojan-Horse Detection for Trusted Quantum Key Distribution Networks
	Kemal Guner: 6G Wireless Network Security with Blockchain & Artificial Intelligence for Resilient Wireless Communication
	Nikolaos Pappas: From Information Freshness to Semantics of Information and Goal-oriented Communications
	Mostafa Rahmani Ghourtani, Alister Burr: Enhancing Physical Layer Security in Scalable Cell-Free Massive MIMO Networks: A Dual Precoding and Color Graph-Based Pilot Assignment Approach

Organizers:

Diana Pamela Moya Osorio (Linköping University, Sweden),
Hüseyin Arslan (Istanbul Medipol University, Turkey),
Roman Maršálek (Brno University of Technology, Czechia)