

**SUNRISE 2023: 1st Workshop on SecURE aNd Resilient digItal tranSformation of healthcarE co-located with the 35th Norwegian ICT Conference for Research and Education (NIKT 2023)**

**30th November 2023 at the University of Stavanger, Norway**

**Program**

09:00 – 09:10

Opening Session: Introduction to the Workshop

Chair: Sandeep Pirbhulal

09:10 – 09:50

**INVITED KEYNOTE 1**

Chair: Sandeep Pirbhulal

**Invited Keynote Talk Title:** Healthcare 4.0: Data Analytics, Digital Transformation and Cyber Security Perspective

**Speaker:** Sanjay Mishra, IFE Halden, Norway

09:50 – 10:30

SESSION 1: Cybersecurity Skills and Access Control in Healthcare

Chair: Sandeep Pirbhulal

- Training on social media cybersecurity skills in the healthcare context  
Mario Fernández Tárraga, Alejandro David Cayuela-Tudela, **Pantaleone Nespoli**, Joaquin Garcia-Alfaro and Felix Gomez Marmol
- Blockchain-based Access Control for Electronic Health Records  
**Khandoker Tahmid** Sami and Mohsen Toorani

10:30 – 10:40

Networking and Coffee Break

10:40 – 11:20

**INVITED KEYNOTE 2**

Chair: Sandeep Pirbhulal

**Invited Keynote Talk Title:** Methodology for Automating Attacking Agents in Cyber Range Training Platforms

**Speaker:** **Pantaleone Nespoli**, IMT, France

11:20 – 12:00

SESSION 2: Privacy Risks, and Resilience in Healthcare Systems

Chair: Sandeep Pirbhulal

- Threat Modeling Towards Resilience in Smart ICUs  
**Matteo Große-Kampmann**, Christian Baumhör and Thomas Henning
- Characterizing Privacy Risks in Healthcare IoT Systems  
Shuai Li, **Alessio Baiocco** and Shouhuai Xu

12:00 -

CLOSING SESSION: Conclusion & Planning

Chair: Sandeep Pirbhulal

**Dr. Sanjay Misra** , a Sr. member of IEEE and ACM Distinguished Lecturer, is a Senior Scientist at the Institute of Energy Technology(IFE), Halden, Norway. Before joining IFE, he was associated with the Computer Science and Communication department of Østfold University College, Halden, Norway. He holds a PhD. in Information & Knowledge Engg (Software Engg) from the University of Alcalá, Spain & M.Tech.(Software Engg) from MLN National Institute of Tech, India. His expertise is in the area of Applied Informatics (Cyber Security, Health Informatics, Software Engineering Applications, and Intelligent systems using AI and computational techniques) and has been published (- around 150 JCR/SCIE) in top journals like Computers and Security, Information Processing and Management, Engineering Applications of Artificial Intelligence, Expert Systems, and Applications, etc. He has been amongst the top 2% of scientists in the world (published by Stanford University) for the last three consecutive years, ranked no 2 in the whole of Africa in computer science (as per Elsevier: Scival analysis during 2017-2022) and also got several awards for outstanding publications (2014 IET Software Premium Award (UK)), TUBITAK-Turkish Higher Education, and Atilim University). He is Editor in Chief of Int J of Human Capital & Inf Technology Professionals(IGI), IT Personnel and Project Management(IGI), and editor in various SCIE journals(Nature: Scientific Report((Impact Factor: 4.996), Elsevier: Alex. Engineering((Impact Factor: 6.626, Q1 7/92)), edited several special issues and 80 books from Springer(65 LNCSSs, 4 LNEEs, 3 LNNSs, 3 CCISs) , 10 IEEE proceedings and several books. He delivered more than 100 keynotes, and invited talks and public lectures at reputed conferences and institutes (he traveled to more than 60 countries).

**Dr. Pantaleone Nespoli** is a postdoctoral researcher working together with the Department of Information and Communication Engineering at the University of Murcia, Spain, and the SCN team of the SAMOVAR laboratory at Institut Polytechnique de Paris. His research is focused on cybersecurity and cyber defense training, with a particular interest in the detection and response to intrusions, and disinformation in social networks. More info at <https://webs.um.es/pantaleone.nespoli>