

On site Activities (preliminary) Program

Novotel Barcelona Sant Joan Despi

Carrer de la TV3, 2
08970 Sant Joan Despi
Spain

Updated as of September 24.

The program will be continuously updated

NexTech 2021: <https://www.iaia.org/conferences2021/ProgramDATAANALYTICS21.html>

SoftNet 2021: <https://www.iaia.org/conferences2021/ProgramICSEA21.html>

Monday, October 4

13:00 Reception opens (it stays open on Tuesday, Wednesday)

Contact: Dr. Laura Garcia

17:00 - 18:00 Discussion and Socializing (see [prerecorded video](#))

Theme: Consistency Verification of Processes: From Businesses to Cyber-physical Systems
Prof. Dr. Hermann Kaindl, Vienna University of Technology, Austria

18:00 - 19:00 Welcome Cocktail

Coordinator: Prof. Dr. Pascal Lorenz

Tuesday, October 5

8:45 - 9:00 Opening

Prof. Dr. Pascal Lorenz

9:00 - 10:00 Keynote Speech

Theme: Engineering of Complex System of Systems
Prof. Dr. Jerker Delsing, Lulea University of Technology, Sweden
Chair: Pascal Lorenz

10:00 - 10:15 Coffee break

10:15 - 11:15 Session 1 (UBICOMM, SEMAPRO, CYBER, DATA ANALYTICS)

Session Chair: Michael Spranger

Sounds Real: Using Hardware Accelerated Real-time Ray Tracing for Augmenting Location Dependent Audio Samples

Bo Zhou

An Extensible Semantic Data Fusion Framework for Autonomous Vehicles
Efstratios Kontopoulos

Application Services in Space Information Networks
Anders Fongen

Feature Engineering and Machine Learning Modelling for Predictive Maintenance Based on
Production and Stop Events
Rosaria Rossini

11:15pm - 11:30am Coffee

11:30 -13:00 Session 2 (DATA ANALYTICS)

Session Chair: Efstratios Kontopoulos

A Concept for a Comprehensive Understanding of Communication in Mobile Forensics
Jian Xi

Analyzing the Nationwide Opioid Crisis and Socio-economic Factors using K-Means Clustering
Ryan McGinnis

A Comparison of Machine-Learned Survival Models for Predicting Tenure from Unstructured
Résumés
Corné de Ruijt

Classification of Bots and Gender using Topic Unigrams
Michael Spranger

13:00 - 13:15 Coffee

13:15 - 14:15 Keynote Speech

Theme: Information Warfare and Critical Infrastructure: The Combined Power of Information
Warfare Threats

Prof. Dr. Joshua A. Sipper, Cyber Warfare Studies, Air Force Cyber College, USA

Chair: Pascal Lorenz

14:15 - 15:15 Lunch Break

15:15 - 16:15 Keynote Speech

Theme: Digital Twins for Smart Systems

Prof. Dr. Ivana Semanjski, Ghent University, Belgium

Chair: Pascal Lorenz

16:15 - 16:30 Coffee Break

16:30 - 18:00 Session 3 (CYBER)

Session Chair: Corné de Ruijt

Evaluations of Information Security Maturity Models: Measuring the NIST Cybersecurity Framework Implementation Status

Majeed AlSaleh

What Influences People's View of Cyber Security Culture in Higher Education Institutions? An Empirical Study

Tai Durojaiye

Sharing FANCI Features: A Privacy Analysis of Feature Extraction for DGA Detection

Benedikt Holmes

Optimal Scheduling with a Reliable Data Transfer Framework for Drone Inspections of Infrastructures

Golizheh Mehrooz

18:00pm - 19:00pm TBD/Socializing

19:00pm - 21:30pm Gala Dinner

Wednesday, October 6

9:00 -10:00 Keynote Speaker

Theme: Intentional Answers to Database Requests

Priv.-Doz. Dr. Techn. Helmut Horacek, DFKI/Saarland University, Germany

Chair: Pascal Lorenz

10:00 - 10:15 Coffee break

10:15 - 11:45 Session 4 (HEATHINFO, CENTRIC, SOTICS, INNOV)

Session Chair: Elena Lape

Early-Stage Epidemic Forecasting

Andrea Corradini

Automatic Emotions Analysis for French Email Campaigns optimization

Alexis Blandin

Applicability of Social Media Elements in Notification Systems in Large Interconnected Organisations

Igor Jakovljevic

Comparative study of RIP, OSPF and EIGRP protocols to manage WSN-IoT traffic vs IPTV traffic using Cisco Packet Tracer

Laura Garcia

11:45 - 12:00 Coffee

12:00 - 13:00 Keynote Speaker

Theme: Data in Urban Air Mobility

Silvio Semanjski, SEAL Aeronautica SL - Barcelona, Spain & EU Project "Urban Air Mobility"

Chair: Pascal Lorenz

13:00 - 14:00 Lunch Break

14:00 - 15:45 Session 5 (VALID, ICSEA)

Session Chair: Igor Jakovljevic

Today's Complexity in Validation Requires Automation by a Machine-learning Based Tool

Lisa Taubensee

Functional Size Measurement in Agile

Thomas Fehlmann

Dual-Track Agile in Early-Stage Startups

Elena Lape

An Empirical Study of the Correlation of Cognitive Complexity-related Code Measures

Luigi Lavazza

Studying Digital Literacy and AI Adoption in Software Engineering & Technology Companies

Marko Jantti

15:45 - 16:00 Coffee Break

16:00 - 18:00 Tutorial Lecture

The Goal/Question/Metrics (GQM) Method in the Era of Data-driven Projects

Prof. Dr. Luigi Lavazza, University of Insubria at Varese, Italy Chair:

Chair: Pascal Lorenz

18:00 Farewell

Prof. Dr. Pascal Lorenz