

2021 Inter-OSS Hybrid amid COVID-19.

2021 INTEROPERABILITY AND OPEN SOURCE SOLUTIONS WORKSHOP

PROGRAM

Monday, 08 November 2021 - St Gallen, Switzerland and Online
(All Times CET Zone)

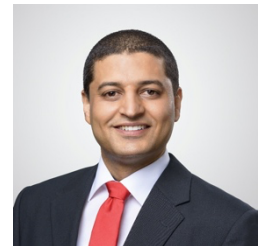
09:00 – 9:10 Welcome Words and Opening Message

09:10 – 09:40 Expert Keynote Talk 1

Dr. Helmi Ben Hmida

T-Systems International

IoT & Digital Transformation Expert - Senior Program Manager
Darmstadt, Hesse, Germany



Industrial keynote Central Topic: Paper KS1

IoT & Digital Transformation: Challenges and Opportunities

In this short talk Dr. Helmi Ben Hmida will talk about the current challenges that Digital Transformation impose over the current Technologies and Markets. After managing several large scale IoT projects touching several verticals and domains (City, health, building, mobility, weather, work...etc.), Dr. Helmi Ben Hmida believe that a successful Digital\IoT business needs some characteristics that are the baseline for success. Based on his experience, Dr. Helmi Ben Hmida will provide a vision on the Opportunities for progressing the state of the art with technologies like Big Data, IoT and AI.

Speaker Short Bio:

Dr. Helmi Ben Hmida have carried out several "IoT & Digital transformation" activities, projects & applications in the areas of Smart Living, Smart City, eHealth, Home Care and Building Management, mainly as senior, projects and portfolios manager. He is proactively involved in IoT strategy, consulting, IoT technology implementation, validation, transfer, marketing, best practices and impact oriented IoT large-scale projects. Dr. Helmi Ben Hmida has a deep market understanding and a clear and deep vision/philosophy about IoT. He is an strategic person with strong perception and knowledge in technology and vast experience in innovation, Business models development and marketing strategy.

09:40 – 11:00 Session 1 (S1) – Paper Presentations

09:40 – 10:00 – Paper S1-1

Semantic Interoperability: A review for IoT Edge Computing and Robotics Applications

Presenter: Eoin Jordan

10:00 – 10:20 – Paper S1-2

Graph Neural Networks for Personalized Research Paper Recommendation

Presenter: Rishabh Chandaliya

10:20 – 10:40 – Paper S1-3

Geospatial data: Overview of the state of the art and insight into future applications

Presenter: Alex Acquier

10:40 – 11:00 – Paper S1-4

Boosting the interoperability of isolated data and services in rural areas across Europe

Presenter: Diego Casado

11:00 – 11:10 Morning Coffee Break – Together with IoT-Conference

11:10 – 11:40 Expert Keynote Talk 2

Dr. John Soldatos

Internet of Things and Artificial Intelligence Expert

(Industrial IoT, Industry 4.0, Finance 4.0) - ICT & Business Consultant

Athens, Greece



Expert keynote Central Topic: Paper KS2

AI, IoT and BIG Data: Research Problems Unsolved

In this short talk Dr. John Soldatos will talk about the Trends and current big issues on using IoT, Big Data and AI, from IoT Data to Big Data and Cloud Technology to a more human-Centric social and ethical aspects on AI. After several years in proposal writing and bid preparation, with a successful trajectory on delivering on-time in-budget within specifications and with very high quality, Dr John Soldatos continues building his career on pioneer vision about the trends and new technologies for the society. Dr. John Soldatos will provide a vision on the most relevant research topics that remain unresolved activities that can progress the state of the art in coming years with technologies like Big Data, IoT and AI.

Short Bio:

Dr. Jonh Soldatos is a High Caliber ICT and business consultant with an excellent understanding of technical, innovation and business aspects of complex ICT and Digital Transformation projects in Manufacturing, Industry, Finance, and Healthcare. Dr John Soldatos combines technical expertise with business acumen and project management skills, while having vast experience in World-class technical/content writer in tech topics like Internet-of-Things and Artificial Intelligence. Dr. John Soldatos is Internationally recognized

through appointments in many Expert Groups, Standardization Working Groups, Advisory Boards and Think tanks. Dr. John Soldatos holds a PhD in Electrical & Computer Engineering from the National Technical University of Athens (2000). He is Senior R&D Consultant and Innovation Delivery Specialist with INTRASOFT International (2020-present) and Honorary Research Fellow at the University of Glasgow, UK (2014-present).

11:40 – 13:10 Session (S2) – Paper Presentations

11:40 – 12:00 – Paper S2-1

Eco-Credits: Designing interoperable datasets and innovative blended financial techniques to restore ecosystems and reduce greenhouse gas (GHG) emissions

Presenter: Niall O’Brolchain

12:00 – 12:20 – Paper S2-2

Introducing a Data Marketplace design approach: A Step towards Data Monetisation, a Jump into a Digital Single Data Marketplace

Presenter: Chi Hung Le

12:20 – 12:40 – Paper S2-3

Towards lowering the barriers for BigData, IoT and AI-driven technologies, boosting regulatory compliance and stimulating FinTechs and InsuranceTechs Innovation.

Presenter: Martin Serrano

12:40 – 13:00 – Paper S2-4

Supporting the creation of Online Interoperable Data Services for the European Digital Data Marketplace Industry.

Presenter: Achille Zappa

13:00 – 13:10 Workshop Wrap-Up and Closing Message

Organised and Supported by:



 **Infinitech**



The 2021 INTEROPERABILITY AND OPEN SOURCE SOLUTIONS WORKSHOP is organized by H2020 ICT projects, **i3-MARKET** and **INIFINITECH**, as part of the Big Data EC CNECT unit and in collaboration with the **BDVA-DAIRO**, **GAIA-X** and **IDSA**. both projects are co-funded under the European Commission DG-CNECT-H2020 program.