ILNAS · ANEC

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Training "Digital Trust for Smart ICT - Cloud Computing, Internet of Things and Big Data"

ILNAS proposes a training aiming to improve the knowledge of ICT professionals in Digital Trust for Smart ICT domains such as Cloud Computing, Internet of Things (IoT) and Big Data. The training introduces the participants to the Digital Trust challenges in the Smart ICT sector and provides insights on how to address them. It focuses on three complementary points of view: a technical analysis, economic and business prospective analysis, and a technical standardization perspective. In this context, standards and technical standardization are presented as an important support to develop Digital Trust for Smart ICT.

Digital Trust has become a key requirement for the use and development of Smart ICT. These technologies offer huge economic development prospects, but many challenges still need to be addressed to unleash their potential and widespread adoption. Among others, one can name security and privacy issues (common threats in ICT technology), interoperability and connectivity problems in IoT, loss of control over data for cloud users in Cloud Computing and unauthorized processing of data in Big Data. During the training, the participants will see how the standards guidelines developed by European and International standardization organizations could help to minimize the risks and to enable Digital Trust.

Objectives

- To understand Smart ICT concepts and their main characteristics
- To understand the importance of Digital Trust for Smart ICT (Cloud Computing, IoT and Big Data)
- To know the challenges of Digital Trust for Smart ICTs
- To identify relevant Standards and Technical Standards Committees for these Smart ICTs
- To know the technical work supporting the development of Digital Trust
- To understand the major factors that must be taken into account while implementing a Digital Trust strategy so as to maximize related business and economic benefits

Contents

- Global scenario of ICT technical standardization
- Smart ICT & Digital Trust
- Smart ICT & Technical Standardization
- Cloud Computing & Digital Trust
- Internet of Things & Digital Trust
- Big Data & Digital Trust

Target audience:
Professionals in the ICT sector (CEOs, CIOs, managers, consultants), entrepreneurs, researchers and all those interested in Smart ICT and related Digital Trust aspects. It is recommended that participants have basic knowledge in the field of ICT.

Certificate:
A certificate of participation will be provided at the end of the course by ILNAS (recognized training organization).

Price: 250 € TTC / person (the price includes the lunch and refreshments)   **Capacity**: 15 participants   **Language**: English

Date: On demand (may be provided at our offices or within your company)   **Duration**: One day (8 hours)

More information: *Registration*   https://gd.lu/1GgMt5

White Paper ILNAS « Digital Trust for Smart ICT »   https://gd.lu/chH953

Our Experts

Dr. Jean-Philippe Humbert earned his PhD on Information and Communication Sciences, at Université Paul Verlaine of Metz, focused on information security and cybercriminality. Dr. Jean-Philippe Humbert is Deputy director of the Institut Luxembourgeois de la Normalisation, de l'Accréditation, de la Sécurité et qualité des produits et services (ILNAS). He is Member of the Board of the GIE ANEC and, in this frame, responsible of the national standardization strategy. Really involved into ICT Technical standardization and Education about standardization, since 2002, Dr. Jean-Philippe Humbert is also President of the national mirror committee ISO/IEC Joint Technical Committee 1 « Information Technology » and lecturer for the University of Luxembourg.

Dr. Johnatan Pecero is currently the head of Standardization department with GIE ANEC. He is Chairman of the ISO/IEC JTC 1/SC 38 Cloud Computing and Distributed Platforms National Mirror Committee of the Grand Duchy of Luxembourg. He earned his PhD in Computer Science at the Grenoble Institute of Technology (formerly INPG). He was a Senior Scientist with the Faculty of Science, Technology, and Communication, University of Luxembourg. His current research interest at GIE ANEC relates to Digital Trust for Smart ICT focus on Cloud Computing and Big Data.

Mr Nicolas Domenjoud is currently Project officer ICT and Standardization of the GIE ANEC. He is leading projects on Sector-based standards approach development, to support the national stakeholders' competitiveness. Mr Nicolas Domenjoud is also working on the promotion of ICT technical standardization and he is national delegate on the ISO/IEC Joint Technical Committee 1 "Information technology".

Mrs Natalia Cassagnes is Project Officer in Smart ICT and Standardization with a focus on Big Data. Through this position at the GIE ANEC, she is promoting at Luxembourg level the standardization activities carried out by ISO/IEC JTC 1 committee on Information Technology in different aspects of Big Data. As a National Contact point for Big Data standardization activities, her role is to support the national stakeholders and provide them with relevant and up-to-date information. Mrs Natalia Cassagnes holds a Master's degree in Computational Linguistics, reinforced by University Certificate "Smart ICT for Business Innovation".

Dr. Shyam WAGLE is affiliated to GIE ANEC. He is also serving as an acting president of national mirror committee of Luxembourg -- ISO/IEC JTC 1/SC 41: Internet of Things and Related Technologies. Before joining GIE ANEC, he was working as a researcher in the University of Luxembourg. He also worked in state owned Telecom Operator in Nepal for more than 5 years before starting his research activities in Academia. He is mainly following research and standardization activities in the domain of IoT and Cloud computing. He holds PhD in Computer Science from the University of Luxembourg and Joint-PhD in Law, Science and Technology from 6 European Universities.

Dr. Ravi Jhawar is Project Officer Smart ICT and Standardization at the GIE ANEC. In this context, he is responsible for digital trust and blockchain research and technical standardization activities. Before joining GIE ANEC, Dr. Ravi Jhawar worked as a post-doctoral research associate at the Interdisciplinary Centre for Security, Reliability and Trust (SnT) of the University of Luxembourg where he performed various research activities and managed national and industrial projects. His core professional interests are in the areas of information security, risk management, cloud computing and blockchain. He holds a PhD from University of Milan and MSc from University College London.