SMART ICT FOR BUSINESS INNOVATION
PROFESSIONAL CERTIFICATE

Faculty of Science, Technology and Communication

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ILNAS — HIGHER EDUCATION

After the success of the first class of the University Certificate "Smart ICT for Business Innovation", ILNAS* and the University of Luxembourg are proud to present you the experts contributing to the programme of the next promotion of this training that will start in February 2018.

Designed to foster high-potential ICT talents, the University Certificate offers a broad view of Smart ICT concepts (e.g.: Cloud Computing, Internet of Things, Big Data) and related standardisation developments, aiming to give a better understanding of ongoing technological developments, stimulating the sense of innovation, so essential in today's competitive business reality. We warmly encourage you to discover more about this programme, representing a great opportunity for professionals to develop their digital skills.

Jean-Marie Reiff
*Director ILNAS**

Prof. Dr. Paul Heuschling
Dean of the Faculty of Science, Technology and Communication, University of Luxembourg

* Institut Luxembourgeois de la Normalisation, de l'Accréditation, de la Sécurité et qualité des produits et services.

PRACTICAL INFORMATION:

Beginning:	February 2018
Campus:	Belval, Maison du Savoir
Language:	English
Duration:	1 year part-time programme (18 ECTS)

CONTACT:

tel.: (+352) 46 66 44 5217
email: fstc-smartict@uni.lu

http://smartict.uni.lu

SMART ICT 4business INNOVATION

- SMART INTERACTIONS
- DIGITAL INTELLIGENCE
- SMART PLATFORMS
- BUSINESS INNOVATION
- SMART ICT CONCEPTS
- TECHNICAL STANDARDISATION

MEET OUR EXPERTS
COURSE DIRECTORS

Prof. Dr. Pascal Bouvry

Prof. Pascal Bouvry is full professor at the University of Luxembourg. He is the academic director of the certificate smart-ICT for business innovation and director of the doctoral school in computer science and computer engineering. Pascal Bouvry is also faculty member of the SnT (Interdisciplinary Center for Security, Reliability and Trust), associate editor of IEEE Cloud Computing magazine, associate editor of Elsevier Swarm and Evolutionary Computation journal, founding member of IEEE TC on Cybernetics for Cyber-Physical Systems, and vice communication chair of IEEE STC on sustainable computing.

Dr. Jean-Philippe Humbert

Dr. Jean-Philippe Humbert earned his PhD on Information and Communication Sciences, at Université Paul Verlaine de 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 standardisation strategy. Really involved into ICT Technical standardisation and Education about standardisation, 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.

LECTURERS

Mrs. Natalia Cassagnes

Natalia Cassagnes is Project Officer in Smart ICT and Standardisation with a focus on Big Data. Through this position at the GIE ANEC, she is promoting at Luxembourg level the standardisation 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 standardisation activities, her role is to support the national stakeholders and provide them with relevant and up-to-date information. Mrs. Cassagnes holds a Master's degree in Computational Linguistics, reinforced by University Certificate "Smart ICT for Business Innovation".

Prof. Dr. François Coallier

François Coallier is professor at the École de technologie supérieure (ÉTS), one of Canada's leading engineering school, affiliated to the Université du Québec network. He was CIO of ETS between 2010 and 2016 and the founding chair of ÉTS' Department of Software and IT Engineering from its creation in 2004 till 2010. Dr. Coallier has been continuously involved in software and systems engineering standards development since 1984. He is the international Chairman of the Joint ISO and IEC subcommittee responsible for the elaboration of Software and Systems Engineering Standards (ISO/IEC JTC1/SC7) since 1997 and the international Chairman of the new ISO/IEC JTC1/SC41 on the Internet of Things and related technologies.

Dr. Grégoire Danoy

Grégoire Danoy received his Industrial Engineer degree in Computer Science from the Luxembourg University of Applied Sciences (IST) in 2003. He obtained his Master in Web Intelligence in 2004 and his PhD in Computer Science in 2008 from the Ecole des Mines de Saint-Etienne, France. Since 2008, Dr. Danoy is Research Scientist in the Computer Science and Communications research unit (CSC) of the University of Luxembourg. His current research interests include the design of novel artificial intelligence techniques to tackle problems in bioinformatics, cloud computing, high performance computing, IoT and Smart Cities.

Mr. Nicolas Domenjoud

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

Mr. Dany Donnen

Dany Donnen is specialized in IT Strategy and business alignment. With his more than 25 years experience (in Media, Automotive, Consulting and Food Service) in ICT he managed many architecture and transformation programmes to make ICT smarter and better aligned on business priorities and innovation. Dany is also Adjunct Professor at the Faculté de Droit, d'Economie et de Finance of the University of Luxembourg.

Mr. Ashok Ganesh

Ashok Ganesh is Director Innovation at CEN & CENELEC and has worked in standardisation for over 20 years. His current focus includes standards and digital transformation, standards – research integration, supporting SMEs and societal stakeholders to benefit from standards and Education about Standardisation.

Mr. Jérôme Hoerold

Jérôme Hoerold is currently the Head of the ILNAS Standardisation Department, Luxembourg's National Standards Body. Between 2010 and 2014 he worked as a business consultant in different local based and multinational companies. Before this, Jérôme Hoerold studied Economics at the University of Montpellier I.

Mr. Volker Jacumeit

Volker Jacumeit is working for DIN as managing director of the IT Security Coordination Center and of the Standards Committee on Information Technology and Selected IT Applications. Prior to joining DIN, he worked as a project manager in IT and communications at Siemens for many years. Most recently, he served as director for seamless government at Siemens' headquarters, overseeing business development and portfolio development for e-government solutions, and led the Public Sector Innovation Center in Berlin. System Integration, Interface Management, and IT-Security and Privacy have been mayor issues within his projects. At DIN one of his main activities is managing the German mirror committees of ISO and CEN and together with the German experts the representation of DIN at international standards committees.

Dr. Ravi Jhawar

Ravi Jhawar is Project Officer Smart ICT and Standardisation at the GIE ANEC. In this context, he is responsible for digital trust and blockchain research and technical standardisation 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.

Mr. Terry Landers

First appointed to the Board in 2012, Terry is Microsoft Chief Standards officer for Europe Middle East and Africa, working across a wide range of future and emerging technologies in the Information and Communications area, including Cloud Computing, Internet of Things, Smart Grids and Health Informatics. He is Chairman of NSAI's ICT standards Consultative committee and is also a Board member of Enable Ireland, and several Microsoft companies.

Mr. Cédric Mauny

Cédric Mauny is Senior Manager for the Cybersecurity Department at Telindus, Risk Manager, leader of the Telindus-CSIRT and permanent member of the Infosec committee. In the latter occupation, he successfully co-leads the ISO 27001 Certification of Telindus. Since more than 13 years, Cédric is very active in the standardisation activities in Luxembourg. Founding member and General Secretary of the Association for Standardisation of Information Society in Luxembourg, Cédric was also Chairman and currently holds the Vice-Chair of the LU committee ISO/IEC JTC1 SC27 on IT Security techniques and chairs the LU committee ISO/TC 262 on Risk Management. Cédric was lecturer for the first class of the University Certificate "Smart ICT for Business Innovation" in the module "Smart Interactions - Digital Trust".

Mr. Ultan Mulligan

Ultan Mulligan is Director of Communications at ETSI, and holds a position of Vice-chairman of the Marketing and Communications committee in the oneM2M Partnership Project. Previously responsible for Strategy and New Initiatives, developing new standardisation or pre-standardisation activities at ETSI including establishing the first Industry Specification Groups at ETSI, he has also managed OSA/Parlay API standardisation activities for ETSI. In ETSI's Protocol and Testing Competence Centre he has managed specification and testing projects at ETSI in fields as diverse as X.25, DECT, V.5, Intelligent Networks, OSA, and DSRC radio (road tolling). Besides ETSI, he has participated in many standards bodies including oneM2M, 3GPP, ITU-T, CEN, and groups such as Bluetooth SIG and Parlay. Mr. Mulligan has a B. Eng. from Dublin City University and an Executive MBA from the ESCP-EAP in Paris.

Dr. Johnatan Pecero

Johnatan Pecero is the head of Standardisation department at the GIE ANEC. Main missions are to support ILNAS in the execution of the national standardisation strategy and the implementation of the Policy on ICT technical standardisation including research and Education about Standardisation. His current research interest relates to Digital Trust for Smart ICT (focus on Cloud Computing and Big Data). Johnatan is national delegate on the ISO/IEC JTC 1 committee on "Information Technology", Cloud Computing, Big Data and data centers.

Mr. Pascal Steichen

Pascal Steichen is CEO of SECURITYMADEIN.LU, the structure behind the three main information security initiatives of the Luxembourg government: CIRCL, CASES and BEE SECURE and the future cybersecurity competence center. He is also lecturer in information security at the University of Luxembourg, vice-president of the CLUSIL and was for 11 years member of the management board of ENISA.

Dr. Tuan Anh Trinh

Tuan Anh Trinh holds a Ph.D. in Computer Science from the Budapest University of Technology and Economics (BME). He founded and is the Head of the Network Economics Group at BME. His recent research interests include socio-economic aspects of networked systems, smart ICT/applications, and sustainability issues of the Future Internet.

Mr. Alain Wahl

Alain Wahl is currently the head of Digital trust department of ILNAS. After his Master in Computer Science at University of Fribourg in Switzerland, he worked as Informatics teacher and ICT System administrator for 5 years, before joining the Digital trust department of ILNAS in September 2011.

Dr. Shyam Wagle

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 standardisation 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 six European Universities.

Dr. Ir. Robert van Wessel

Robert M. van Wessel holds a Master in Electrical Engineering from Twente University and a PhD in Business Administration from Tilburg University (Department of Inf. Systems and Mgmt.). He is lecturer at Rotterdam School of Management, Erasmus University on the subject of Enterprise Architecture. Robert's research interests relate to the interaction of Business and Information Technology (e.g.: Data and Information Mgmt., IT Governance, IT Security Mgmt. and Standardisation. Robert currently works as Business Architect at a Dutch government agency and is founder of ApexIS, a firm providing consultancy services to companies in his areas of research.

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