

'Digital 4 Industry' Conference

Thursday, October 13th, 2016 • 14h00 – 19h00

**Centre National Sportif et Culturel d'Coque, Amphithéâtre
2, rue Léon Hengen, Luxembourg-Kirchberg**

Industry 4.0 offers strong opportunities for productivity and growth. The exchange of information in real time among participants of the value chain from product planning, to design, manufacturing, maintenance and even refurbishment will dramatically increase flexibility and speed in handling planned and unplanned product changes. In its most extreme form, this flexibility and speed will allow to manufacture fully customised products at the cost level of mass production, potentially enabling the manufacturing industry in high salary countries to recapture a considerable competitive advantage.

This conference will try to shed light on the many open questions around the three key topics of Industry 4.0., the internet of things and data analytics. It will discuss its technological, business and human resources related implications for small and medium sized companies across all sectors.

Target audience: CEOs, CTOs, COOs, CFOs, CIOs, Production Managers, R&D Managers, Supply Chain and Procurement Managers, Industrial Designers, HR Managers, IT Managers

Partners:



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de l'Économie



Conference Program

- 13h30 Registration**
- 14h00 Opening words**
Nicolas Buck, chairman Fedil – Business Federation Luxembourg
- 14h05 Industry 4.0 - Digital transformation towards smart factories**
Prof. Dr.-Ing. Dr. h.c.. Detlef Zühlke
German Resarch Center for Artificial Intelligence
Deutsches Forschungszentrum für Künstliche Intelligenz - DFKI
Director Innovative Factory Systems Department
- 15h00 Making analytics viable in enterprises: Potential routes for Industry 4.0**
Prof. Dr. Jorge Sanz
Director of the National University of Singapore Business Analytics Centre
- 16h00 Coffee Break**
- 16h30 Good practice examples of Industry 4.0 in Luxembourg**
Case study presentations by Fanuc and Husky
- 17h10 Operational excellence – cooperation between industry and the University of Luxembourg'**
Prof. Dr.-Ing. Peter Plapper, Professor of Engineering Science at the University of Luxembourg
- 17h30 Upskilling European industry: New operational tools wanted**
Laurent Probst, Partner, PwC
- 18h00 Cybersecurity Competence Centre – an opportunity for partnership**
François Thill, Deputy Director for E-Commerce and Information Security, Ministry of the Economy
- 18h30 Closing words**
Etienne Schneider, Deputy Prime Minister, Minister of the Economy
- 18h45 Networking reception**

Registration via e-mail: registration@fedil.lu

Please indicate: subject 'Digital4Industry Conference' + First Name, Name + Company Name

Registration deadline : 7th October 2016.

Parking: Coque 1 – entry rue Léon Hengen
Coque 2 – entry rue Erasme

Keynote speakers

Prof. Dr.-Ing. Dr. h.c.

Detlef Zuehlke

German Reserach Center for Artificial Intelligence

Deutsches Forschungszentrum für Künstliche Intelligenz - DFKI

Director Innovative Factory Systems Dept.



received the MSc and PhD degrees from RWTH Aachen. After his PhD he joined Lufthansa German Airlines where he was responsible for the aircraft maintenance division as a general manager. Since 1991 he is Professor for industrial automation at the University of Kaiserslautern. In 2008 he was appointed director of the innovative factory systems department at the German Research Center for Artificial Intelligence DFKI in Kaiserslautern.

Furthermore, he is the founder and since 2005 chairman of the executive board of the smartfactoryKL – an industry driven research and demonstration center for smart factory technologies which is recognized as the birthplace of the Industrie 4.0 paradigm.

He is consulting many companies and organizations and has given numerous invited keynotes on national and international events. His research has been recognized by the Borchers medal of honor, the medal of honor of the German Society of Engineers and the IFAC outstanding service award. He is a guest professor at the Univ. of Cincinnati and was awarded the honorate doctor degree from Sibiu University Romania. Dr. Zuehlke has published over 200 journal and conference papers, 4 books, and numerous other technical publications. He is an affiliated member of IFAC where he was active in the technical board for a long time.

Prof. Dr. Jorge Sanz

Director of the National University of Singapore Business Analytics Centre



Prof. Dr. Jorge Sanz has over 30 years of applied research and consulting experience. He has specialized in banking, telecommunications, government and health care for global organizations in America, Europe and Asia. He works in operations strategy and on the application of information technology for transforming organizations. He has worked at different times in IBM, as a Director on international assignments and also, for over 15 years in the Research Division located in Silicon Valley, California.

Jorge conducts analytical modeling for business problems in companies, with applications in process innovation for front-office and back-office operations, and enterprise performance management in firms.

Jorge leads international academic and professional communities in Business Analytics, Business Informatics and Enterprise Engineering. He is a frequent key-note speaker on the interplay between business and IT in international conferences. He has been Rector of the University of St. Andrews, has held different professorial positions in the University of Illinois at Urbana-Champaign and has also been a Visiting Professor in the University of California.

Jorge works today as Director of the Business Analytics Centre at the National University of Singapore (NUS), holds a Visiting Professor position at the NUS School of Computing and teaches Business Analytics for graduate students in NUS Business School as well. He is also the Chief Innovation Officer for Retail Banking in IBM Corporation. He actively consults for Asian organizations, European and American companies.

Jorge is Fellow of the IEEE Society.

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