[2-3] Session C-Life

Moderator: TBD

(1) Nature

    Speaker: Radu Popescu-Zeletin (ICAM GmbH)
    Topic: Environment Protection in the IOT Era

Biography: Dr. Popescu-Zeletin is a professor at the Technical University Berlin and was Director of the Fraunhofer Institute for Open Communication Systems (FOKUS), Berlin. Prof. Popescu-Zeletin graduated at the Polytechnical Institute Bucharest, Romania, got his PH.D. from the University of Bremen, and his habilitation from the Technical University Berlin.

He published many papers and books on network technologies, distributed computing systems and applications. He was active in standardization committees (DIN, ISO, WWRF) and had contributed to the development of telecommunication standards. His chair for "Open Communication Systems" at the TU Berlin is highly involved in the development of technologies for "I-centric communication" and "Autonomic Communication" as main constituents of the Future Internet.

As member of the Motorola Visionary Board (2004-2006) he contributed to new developments in mobile communications. He was chairman of the scientific council of DeTeCon International and member of the advisory boards of several telecommunication companies. He serves in the High Level Expert Group of ENISA, the European network and Information Security Agency.

He is founder of several telecommunication companies: IKV++ Technologies AG, IVISTAR AG, Testing Technologies IST GmbH, TwonkyVision GmbH, ICAM GmbH, IPTELORG GmbH, Match GmbH.

He is Senior Member of IEEE, Doctor honoris causa of the Polytechnical Institute Bucharest, Romania and Professor honoris causa of the Catholic University of Campinas, Brasil. He is member of the Romanian Academy as well as bearer of the order Pour le Merite (Comander) of Romania.

At present Prof.Popescu-Zeletin is president and CEO of ICAM GmbH a leading consultancy and asset management company in the field of smart cities and industrial internet. He is director of the new International Institute for Innovation (ww.IIIAP.org) in Chile a new think tank for IOT for environment

(2) City
　　Speaker: Colin Harrison (IBM, USA)
　　Topic: Global Systems

Biography: Dr. Harrison retired in 2013 as IBM Distinguished Engineer Emeritus and was most recently the inventor of IBM's Smarter Cities technical programme. He was previously Director of Strategic Innovation in IBM Europe and Director of Global Services Research. He was an IBM Master Inventor and a Member of the IBM Academy of Technology. He continues to write and speak worldwide on smart cities, natural disaster resilience, the societal impacts of Information Technology, on global systems science, and on an underlying science of cities.

He spent 1972-77 at CERN building and running the SPS accelerator and its distributed, real-time control system. In 1977 at EMI Central Research Laboratories he developed the first clinical MRI system. At IBM since 1979 he worked on micromagnetics, medical imaging, parallel computing, mobile computing, intelligent agents, telecommunications, knowledge management, unstructured information, energy and the environment, and Smarter Cities. In 2011 he spent several months working in Tohoku, Japan on plans for the region's recovery from the 3/11 earthquake and tsunami.

He studied at Imperial College, London and the University of Munich, earning a PhD in Materials Science in 1973. He is a Fellow of the Institution of Engineering and Technology, Senior Life Member of the Institution of Electronic and Electrical Engineers, and Founder Member of the Society for Magnetic Resonance in Medicine. He is has been an Expert Advisor to the Swiss Academy of Technical Sciences and a Visiting Scientist at MIT, Harvard Medical School, and Lawrence Berkeley National Laboratory. In 2013 he was appointed Technical Expert on smart cities for the European Commission. He has published some 60 articles and has been awarded some 40 patents. He speaks worldwide on smart cities and is leading a team that is co-authoring a book on smart cities from the perspective of municipal administrators.

Dr. Harrison's other passions include photography, writing, alpine skiing, and mountain walking. He speaks English, French, and German and lives with his wife Lynn in the Connecticut forest by the Housatonic River.

(3) Cyberspace

Speaker: Doug McDavid (ISSIP, IBM, USA)

Topic: The Role of Blockchain in Autonomous Distributed Business Services

Biography: Doug McDavid has developed information systems in many industries, including 15 years as a traveling consultant for IBM. He has led major automation projects for library functions, and the enterprise-wide application of network control, order processing, billing, and network engineering. He has performed data and process modeling and enterprise architecture for clients in the telecommunications, brokerage, banking, aerospace, consumer electronics, software, consulting, and insurance industries, as well as government (local, state, federal, and military), and secondary and higher education. He writes and teaches about people and technology in organizations.