

## PANEL2:

### Action for Industry

Industry members are important contributors to IEEE activities in the world and in Region 8.

IEEE has decided to provide more value to its members who work in Industry. Therefore IEEE Region 8 has taken in 2014 the initiative to dedicate to this task an ad hoc committee called Action For Industry (AFI).

This panel will highlight the main pillars of activities supported by the Action For Industry (AFI) committee in Region 8: internship, mentorship, entrepreneurship, industry collaboration and events.

The panel will also give numerous examples of relevant actions that has been undertaken by the Industrial Ambassadors in charge of AFI in each Region 8 Section.

A discussion will then be opened around the expectations of industrial attendants to the panel.

### Topics to be addressed

- o **John Matogo:** History and pillars of AFI
- o **Toni Mattila:** Mentorship
- o **Marios Antoniou:** Internship program and collaboration with industry corporations and technical organizations
- o **Serge Dos Santos:** Industrial events (industry 4.0 ...)
- o **Toni Mattila:** Industrial events (industry 4.0 ...)
- o **Frédérique Vallée:** Industry Ambassadors and their coordination

### Moderator

#### John Matogo



John Matogo is currently the chair for Action for Industry Africa sub committee for IEEE Region 8. He previously served as Chair of the IEEE Kenya Section 2014/2015 and Africa Ambassador for Action for Industry 2016-2020. Professionally, John is the IBM Global University Programs Africa Leader. He joined IBM in Sept 2014 bringing with him vast experience from the academic community in Eastern Africa. His role involves leading IBM skills enablement programs across the African region. These include the IBM Global University Programs <http://ibm.com/university> & Africa Skills Programs such as Digital-Nation Africa ([www.digitalnationafrica.com](http://www.digitalnationafrica.com) ).

John has been instrumental in forging collaborations for IBM with numerous institutions of basic & higher education and ministries of education in the African region. The outcome of the programmes initiated so far include training students and faculty members on the latest technologies including cloud, artificial intelligence, mobile, data science, cyber security, quantum computing and many more.

Prior to joining IBM, John was the founding Manager of @iBizAfrica, the business innovation centre at Strathmore University and a faculty member in the Faculty of Information Technology at the same institution, teaching software engineering and computing courses. He is interested in the application of technology in educational environments and developing digital skills among young people. His research interests include ICTs in education, ICT4D, Free & Open source software and Innovation & entrepreneurship.

## Speakers

### Toni Mattila



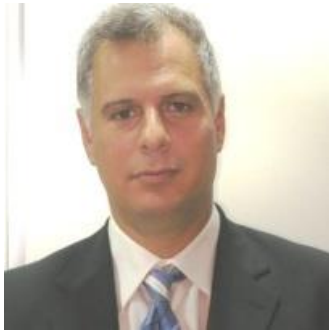
I have worked in the field of electronics since 1996 in industrial, academic and governmental settings, and in my current position for the past eight years. IN my current role I lead a program that implements wider national economic development goals for the benefit of Finnish companies and wider national business ecosystems.

I am also a docent (Adjunct Professor) of Aalto University, Finland, specialized in electronic materials, packaging and integration of electronics, and the reliability of electronic devices. This work includes representing my scientific field in the name of Aalto University on various matters (e.g. technical forums, public media, expert evaluations) but also acting as an advisor for Ph. D. students and giving lectures on my scientific field. Before joining Helsinki University of Technology (later Aalto University) in 1999, I worked for Tellabs Inc. and Nokia for four years, all together.

My whole 14-year academic carrier I worked in close co-operation with international electronics industry, research institutions and universities. My research has resulted in numerous publications in scientific and technical journals and conferences (50+). In addition, I have authored seven book chapters, held several professional tutorials during conferences and been a frequent speaker at conferences, seminars and technology fairs. I have been visiting Professor at Universidade Federal do Amazonas, Brazil and visiting Scientist and a member of Technical Staff at University of Maryland, USA. I am also a frequent reviewer in several scientific journals.

In IEEE I have served in several different positions listed mode detail on the left. In addition to the listed activities. I have been an active volunteer for well over ten years in technical committees of many IEEE conferences, such as the IEEE EPS flagship conferences ECTC, EPTC, and ESTC.

## Marios Antoniou



Marios has more than 24 years' experience in ICT. He began his career as a software engineer at Cisco Systems in Chelmsford Massachusetts after receiving a BSEE from UCSB in Santa Barbara and an MSEE from Northeastern University in Boston. Marios has been working at CYTA for more than 20 years and has received an MBA degree from CIIM in Cyprus. He has been involved and led several projects in the areas of product and project management as well as business processes development and management.

Marios, is the past chair of IEEE Region 8 Action for Industry (Afi) subcommittee. He has been involved in industry engagement and entrepreneurship activities in Europe, Middle East and Africa. Marios has been a speaker in industry and entrepreneurship conferences. He has been involved in IEEE Region 8 Afi internship program, IEEE Region 8 entrepreneurship initiative and has collaborated with YPs, WIE, Professional and Educational Activities as well as Student Activities. He has been a mentor and a judge in entrepreneurship events. He is a member of IEEE 2021 Entrepreneurship Steering Committee. Marios has received the IEEE MGA Achievement Award.

## Serge Dos Santos



Hdr Lecturer, Hors Classe (CNU 61 section), Research Professor in Blois at INSA Centre Val de Loire (6th INSA located on three campuses: Blois, Bourges and Hué), GSI (Industrial Systems Engineering) and STPI (Science and Technology for Engineering) departments; assigned to the U1253 Imaging and Brain research unit: iBrain, Inserm University of Tours (Ultrasound and Signal Processing team) for research (beneficiary of the PES/PEDR scientific excellence award 2013-2017 and 2017-2021). Vice-President of the International Academy of Non-Destructive Testing (2021-); Director of the International Institute of Acoustics and Vibration (IIAV) - 2018-2022;

Elected member of the EMBS Chapter, IEEE France (2019-); Project Manager "Industry 4.0" at INSA CVL (2019-2021); Titular member of CNU61 appointed by the Ministry of Research and Higher Education (2019-); Beneficiary (2021-2022) of a Leave for Research and Thematic Conversion (CNU61 quota) for the project "Advanced Nondestructive Methods within the Industry 4.0 : Fundamental Research – Standardization and University Forum".

## Frédérique Vallée



Frédérique Vallée is agrégée of mathematics (1978 – highest degree of teaching in France) and have obtained a PhD in statistics (1981 at UPMC one of the biggest French university). After 4 years as mathematics teacher (1978-1981) and 5 years within Thales as reliability engineer (1981 -1986), she founded in 1989 her own company MATHIX, that became ALL4TEC in 2006 and FANDCO in 2016.

Since 2006, she has been in charge of consultancy, R&D and support activities within her companies. She was the expert technical interface for its main companies' clients. She also was in charge of numerous French or European research projects for improving the security and reliability of complex systems during their design or validation phases. She is a recognized expert in the area of complex systems safety and engineering.

She is member of French engineering societies working on these topics (AFIS – Association Française d'Ingénierie Système, IMDR – Institut de Maîtrise des Risques) and she is recognized as an expert for the European Commission. She teaches courses in numerous engineering schools and training institutes (Polytechnique, Centrale-Supelec, ENSTA, ISTIA). She has written a lot of papers and is co-author of three books.