IEEE Spain

El uso de estándares en la Industria: IoT, Robótica, Automoción y Comunicaciones

Use of standards in Industry: IoT, Robotics, Automotive and Communications

Date: 20/04/2022

Lugar (location): Escuela Técnica Superior de Ingenieros de Telecomunicación (ETSIT), Universidad Politécnica de Madrid

Modelo de asistencia (Attendance): Híbrido (Hybrid event)

REGISTRO (hasta 18 Abril): https://events.vtools.ieee.org/m/309700

Organizadores (Organizers)

Rafael Capilla
(URJC, IEEE Spain)

Pedro Reviriego
(UC3M, IEEE Spain)

Ramón Barber
(UC3M, IEEE Spain)

Manuel Ballesteros
(Presidente IEEE IAS/CSS)

Programa (Program)

Hora (Time)	Ponente (Speaker)	Charla (Talk)
09:30-09:45	R. Capilla, P. Reviriego, R. Barber	Apertura (Opening)
09:45:10:15	Sri Chandrasekaran	Industrial automation & Smart manufacturing
10:15-11:00	Luis Manuel Torres	Estándares de Comunicaciones en el Automóvil
11:00-11:30	Café con Impresion 3D	
11:30-12:15	Francisco Falcone	IoT y Smart cities ISO/IEC 30145-3:2020
12:15-13:00	Daniel Martín	La colaboración entre robots y personas: un reto para la automatización y la seguridad
13:00-13:45	Oscar Ledesma	Constelaciones de satélites para comunicaciones IoT
13:45-14:00	R. Capilla, P. Reviriego, R. Barber	Cierre (Closing)

Ponentes (Speakers)

	**Srikanth Chandrasekaran, Senior Director, IEEE Foundational Technologies Practice Lead, IEEE Standards Association IEEE Senior Member** Sri has been associated with the IEEE Standards Association (IEEE SA) for the past 9 years as a Sr Director, and practice lead for IEEE SA Foundational Technologies. In this role, Sri is focused on developing key program that address core issues of security, identity, trust and building end-to-end trustworthy devices and systems across emerging areas such as IoT, Smart Cities, Sensors and Blockchain. Sri also heads the standardization activities for IEEE SA for the Asia Pacific region. Sri leads the IEEE Blended Learning Program effort, driving the development of an eLearning platform, focused on bridging skills for students in current and emerging technologies as well as lateral skilling of industry professionals.
	**Luis Manuel Torres Cantón (IEEE Senior Member)** is Principal Engineer at KDPOF and Editor-in-Chief of the IEEE 802.3cz standardization project "Multi-gigabit Optical Automotive Ethernet", focused on in-vehicle optical communication up to 50 Gb/s. He has been project leader of the international standards ISO 21111-2 and ISO 21111-5, published in 2020, contributor and commenter in the ISO 21111 series "In-vehicle Ethernet", and Spanish representative in ISO TC22/SC31 "Road vehicles – Data communication" and ISO TC22/SC32 "Road vehicles – Electrical and electronic components and general system aspects". In his previous career as Senior DSP Engineer at Marvell Semiconductor and DS2, he contributed to the IEEE Std 1901-2010 and ITU-T G.9972 (also known as ITU G.hn) power line communication standards. He has been granted 8 patents and has published several dozen papers. He has been an ambassador for Action for Industry initiative in the Spanish IEEE chapter during 2016-2017. He is currently pursuing a part-time PhD in signal processing for spatially multiplexed optical communications.
	**Francisco Falcone** es Ingeniero de Telecomunicación (99) y Doctor (05), ambos por la UPNA. De 1999 a 2000 fue ingeniero de red de microondas de Siemens-Italtel. De 2000 a 2008 fué ingeniero de planificación y optimización, Gerencia Radio Norte, Telefónica Móviles. De Enero a Mayo de 2009 fué gerente de Tafco Metawireless, spin off de la UPNA, de la cual es socio promotor. En paralelo, de 2003 a 2009 fué profesor asociado de la UPNA, en el departamento de IEE (actualmente IEEC), pasando a profesor contratado doctor en junio de 2009 y a profesor titular en mayo de 2011. De 2012 a 2018 fué director del departamento de IEE y de 2019 a 2021 director del departamento de IEEC. Desde mayo de 2021 es director del Instituto de Investigación de Smart Cities (ISC). Es miembro senior del IEEE (09), habiendo estado en la directiva de IEEE España, en la directiva del capítulo español de educación y en la directiva del capítulo español del IEEE TEM. Ha sido associate editor del IEEE Transactions on Wireless Communications y es actualmente associate editor del IEEE Sensors Letters y associate editor del IEEE Antennas and Wireless Propagation Letters.
	**Daniel Martin** is a Robotics Engineer, B.Eng in Electronics and Automation in 2008 and M.Eng in Mechanics in 2012, both by the Polythecnic University of Catalonia. He worked for 3 years in the setup and commissioning of Airplanes Assistance Ground Equipment for different aeronautical dependencies such as Barcelona's Airport new terminal T1. After that he has worked in the design and setup of instrumentation and control areas for different Solar Thermal Power and Desalination Plants. In 2010, he joined Robotics and Automation unit of EURECAT. Here, during 9 years Daniel participated as a researcher and project manager of several FP7, CleanSky and H2020 research projects. In 2019 he joined the Robotics Competence Centre of PILZ, where currently is involved in different industrial and R&D projects as Robotics Specialist. Daniel is also a CMSE® Certified Machinery Safety Expert by TÜV Nord.
	**Óscar Ledesma García** es Astrofísico e Ingeniero en Informática. Profesor en el Máster de Industria 4.0 y del Máster de Internet de las Cosas en la Universidad Internacional de La Rioja. Investigador en NewSpace y Space 4.0. Responsable de comunicaciones IoT en Atos International."