



Speaker Profiles and Presentation Abstracts

01 – Rui Takei – AT TOKYO Corporation

09:15 - 10:00 *Are you seeking a textbook on Data Centers and how to learn about them?*
(State cercando un libro di testo sui data center e su come imparare a conoscerli?)

Abstract The amount of data generated on the Internet has increased over the years. This makes it harder to find and ensure the accuracy of information. It is also impossible to memorize all the knowledge that is needed to perform a specific role due to the complexity of the task. In our information era, work and lifestyles have changed significantly, improving efficiency, particularly in terms of time. With the improvement of time efficiency, it has become challenging to conduct thorough research and thoughtful deliberation. Where can we find reliable information based on evidence and reasoning? How can you acquire the knowledge you need in an effective way? This presentation will introduce the nature of learning from an educational perspective, using the data center standards published by BICSI and its supporting services as an example. It aims to help attendees become better judges of how to do their professional work.

Speaker Profile Rui Takei, RCDD, DCDC, B.Ed., AT TOKYO Corporation, Telecommunication Technologist, BICSI Japan, Board member: after earning an AD in Electrical Engineering from Kisarazu National College of Technology in 1997, he joined Tokyo Telecommunication Network Co (now KDDI) as a Telecommunications Engineer. Over the next 24 years, he specialized in providing cabling connectivity services for data centers and telecommunication carriers. Presently, he holds the position of Chief Telecommunications Engineer within the company, and since 2021, he has also spearheaded the training and education program for junior employees. Amidst the challenges posed by the COVID-19 pandemic, he pursued a correspondence bachelor's course at Soka University in Tokyo, successfully graduating in 2023 with a degree in education. Additionally, as a dedicated BICSI volunteer, he has served as a board member for the Japan Affiliate for a decade, earning accolades such as the inaugural BICSI Outstanding Global Member of the Year Award in 2014, the BICSI Outstanding Member of the Year Award in 2018, and the Larry G. Romig Committee Member of the Year Award in 2023. Furthermore, he actively contributes as a member of the Registrations & Credentials Supervision Committee (RCSC) and serves as the vice chair of the Datacenter Operation Standards Working Group.



02 – Gautier Humbert – LEGRAND

10:00 - 10:45 *Compliance to PoE in International Standards.*
(Conformità al PoE, Power over Ethernet, negli Standard Internazionali)

Abstract Do you have an international project? Should you be using the ISO/IEC or the ANSI/TIA standards for compliance? In this presentation the attendees discover the basics of standards, with explanation of the links between structured cabling and electrical, and will learn the requirements to ensure a Remote Powering (PoE) compliant cabling according to the ISO/IEC 11801 series International Standards. This includes heat calculations based on environment bundle size and type of cable, as well as length reduction calculations.

Speaker Profile Gautier Humbert, RCDD is BICSI EMEA Region Chair and Legrand Standards Coordinator in Digital Infrastructures and has been in the industry for 20 years, with experience as technical and training manager in the Middle East, and business developer in East and Central Europe for Legrand structured cabling and datacenter solutions. He is currently the standards coordinator for digital infrastructures and is on multiple international committees such as the ones responsible for the ISO/IEC 11801. He has also participated in the development of the ANSI/BICSI 007 intelligent buildings standard and the ANSI/BICSI 002 Datacenter Design and Implementation Best Practices standard. He received the BICSI European Member of the Year Award in 2012 and the BICSI Global member of the year in 2020.



03 - Alfredo Falcione - AVM Italia

11:15 - 12:00 *Wi-Fi 7 and 6 GHz: Advantages and usage prospects facilitating innovation and promoting competition in the wireless industry considering regulatory scenario*

(Wi-Fi 7 e 6 GHz: vantaggi e prospettive di utilizzo per agevolare l'innovazione e promuovere la concorrenza nel settore wireless, tenendo conto dello scenario normativo)

Abstract

Wi-Fi 7 represents the next evolution in wireless networking technology. Expected to deliver significantly faster speeds and improved performances, the new wireless standard is opening a wide spectrum of opportunities for professionals. This technology is likely to find widespread adoption in industries such as telecommunications, healthcare, education and smart home applications, where high-speed and low-latency connectivity is essential. It is expected to shape the future of wireless connectivity, offering faster data rates, reducing congestion and enhancing user experiences. We will discover together the technology and market perspectives which are being enabled and look through the adoption of 6 GHz spectrum and regulatory concerns which are approaching national and European regulators.

Speaker Profile

Alfredo Falcione, Presales Engineer at AVM GMBH, holding a degree in Telecommunications Engineering with more than 13 years experience in the telecommunications industry among the most important vendors of active equipment and a demonstrated expertise in supporting commercial activities by providing technical consultancy.



04 – Jussi Kiviniemi – HAMINA Wireless

12:00 - 12:45 *Designing and managing Wi-Fi 7, 6 GHz Band and 5G Private Cellular*
(Progettazione e gestione di sistemi Wi-Fi 7, banda a 6 GHz e reti cellulari private 5G)

Abstract Modern wireless – including Wi-Fi 7, Wi-Fi 6E and private 5G - is way different from earlier generations. In addition, modern Wi-Fi systems are more often cloud based, API driven and overall automated. How does all of this change the way we design and manage wireless networks? Find out in this practical and humorous presentation !

Speaker Profile Jussi Kiviniemi, Founder and CEO, Hamina Wireless. Jussi has worked in the Wi-Fi industry for almost 25 years and has built wireless tools for 20+ years. He's presented in 100+ wireless conferences large and small, around the world.



Live Demo - Parallel Sessions

13:45 - 14:30

1. Fabio Ciliberti - TECON

Conosciamo più da vicino i connettori MTP/MPO – Tecniche e strumenti per le misure, il collaudo e la risoluzione di problemi

13:45 - 14:30

2. Gianluca Benenati – FLUKE Networks

Le misure nelle applicazioni Data Center

Abstract

In un'era in cui i dati sono la linfa vitale delle nostre società ed aziende, la gestione e la manutenzione dei datacenter diventa un fattore sempre più cruciale. Assicurarsi che questi hub di informazioni funzionino in maniera ottimale è una necessità assoluta. Qui entrano in gioco gli strumenti FLUKE: dispositivi di alta precisione progettati per eseguire una vasta gamma di misurazioni garantendo così la massima efficienza e sicurezza dei vostri datacenter. Durante questa live demo esploreremo come gli strumenti FLUKE possono aiutarvi a monitorare e mantenere queste infrastrutture, discutendo le diverse sfide che i datacenter affrontano e come possono contribuire a superarle. Vi presenteremo come i nostri prodotti possono aiutarvi a prevenire i guasti, ridurre i tempi di inattività e migliorare le prestazioni complessive nei datacenter rendendoli affidabili, efficienti e sicuri



05 – Matteo Ferro – STIM / Daniele Tordin - PANDUIT

14:30 - 15:15 *Single Pair Ethernet (SPE) - The new frontier for the building management systems and operational technology networks*
(Single Pair Ethernet (SPE) - La nuova frontiera per i sistemi di gestione degli edifici e le reti tecnologiche operative)

Abstract To maximize the benefits of digital transformation, all systems in modern buildings and industrial networks must communicate on a secure, converged and integrated network, capable of transmitting data from a variety of devices across the IT network to the cloud. Networks in Smart-Buildings and Industrial Automation have specific requirements that must be taken into consideration when designing a reliable and secure data communication. *Single Pair Ethernet (SPE)*, an evolution of traditional Ethernet protocol, is set to revolutionize data accessibility and device control in industrial applications and modern buildings. This technology will make it possible to replace proprietary bus-type protocols, harmonizing communications and power supply of devices in the field. The ever-increasing number of connected devices and the distance to be covered for their connection recognizes SPE as the suitable solution that will find application in the industrial sector and in the management of BMS services present in the building. This presentation examines the state of the art of the SPE standard, and how this project will provide a migration path to a higher performance, interoperable and more efficient network in smart buildings and industrial automation.

Speakers Profile Matteo Ferro, CEO at Ayno and MCA (STIM Tech Group Companies) has been working in ICT and telecommunications for over 25 years. His skills include sales management, ICT consultancy, ITS design as BICSI RCDD, planning and strategy. In his role, he will promote the growth of AV and digital workplace market in the AI era.

Daniele Tordin, RCDD, CDCDP is Technical System Engineer at Panduit Network Infrastructure Division. He works in the pre-sales team with responsibility for consulting, defining technical specifications and designing Data Center and Enterprise physical infrastructure. Daniele has been speaker in numerous international seminars and chairing in standardization committee for the definition of industrial standards in the sector. He is qualified BICSI RCDD® (Registered Communications Distribution Designer) and CDCDP® (Certified Data Center Design Professional).



06 – Domenico Silletti – AXIANS

15:15 - 16:00 *Enhancing Sustainability through AI-Driven IoT Energy Monitoring*
(Migliorare la sostenibilità attraverso il monitoraggio energetico IoT guidato dall'intelligenza artificiale)

Abstract In response to growing environmental concerns and regulatory pressures, industries are placing greater emphasis on sustainability. Explore how the Axians Xsona IoT platform enables proactive energy management through AI-driven energy monitoring, facilitating the adoption of decarbonization plans and sustainability integration. Leveraging data insights, organizations optimize resource allocation, minimize environmental impact, ensuring operational efficiency. The role of Axians IoT platform in advancing sustainable practices for a greener future.

Speaker Profile With over two decades of experience, Domenico has established himself as a leading authority in Networking, Cloud Computing, Data Centers, and the Internet of Things (IoT), successfully contributing to numerous international projects for industry leaders across diverse sectors. As a seasoned Solution Architect, Domenico is renowned for his ability to architect and implement innovative solutions that seamlessly integrate business needs with cutting-edge technologies. Within Axians Italy, Domenico focuses on the dynamic intersection of IoT and energy management. Leveraging his extensive technical background, passion for innovation, and commitment to sustainability, he leads the development of AI and ML-driven IoT platforms specifically designed to optimize energy utilization and reduce environmental footprint, empowering organizations to achieve efficiency and cost savings, while simultaneously contributing to a greener future.



07 – Francesco A. Pugliese – PUGLIESE Progettazioni

16:30 - 17:15 *Maximum electromagnetic field levels and development of wireless networks*
(Livelli massimi di campo elettromagnetico e sviluppo di reti wireless)

Abstract The design of BTS (*Base Transceiver Stations*) for wireless telecommunications networks must take into account the maximum levels of electromagnetic fields (EMF) established to protect against possible health effects. An EMF evaluation and risk assessment is and will be more and more crucial for the deployment of newer technologies as 5G or FWA, because if (or whereas) there is no more margin to allocate an EM field increase, new technologies will not be allowed or possible without prior important corrective actions. At present there is considerable debate around the scientific knowledge about the health effects of exposure to artificial EM fields, in particular regarding the possible long-term effects on human health, and therefore on the principle of precaution and minimization of EMFs. Anyway, prior to consider the review of EMF limits, which should depend exclusively on scientific evidence and studies, more in-depth consideration should be initiated on the most suitable architecture for broadband services, and some important technical and procedural corrections should be made to improve the RBS (*Radio Base Stations*) compliance and EMF risk assessment process.

Speaker Francesco Pugliese has a Master of Science in Electronic Engineering, Telecommunications, obtained at the University of Parma, and here he qualified as professional Engineer. He has almost 20 years of experience in Telecommunications and in EMF planning and evaluation, and he is owner of the engineering firm PuglieseProgettazioni. He has been a consultant for Technical Support and Radio Planning engineering for the most important mobile companies dealing with the design of radio links, radio frequency networks, Free Space Optics, systematically using certified simulation softwares, collaborating with the main mobile operators in Italy for the design of the Radio Access Network and the backhaul network in radio links. He has also collaborated with ENEA (the prestigious Italian National Agency for new technologies, energy and sustainable economic development) for research projects in the scientific-technological sector, in particular about ITS - Intelligent Transportation Systems - in the field of sustainable mobility and innovative transport, on the automated management of intermodal traffic and transport monitoring, for the management of critical events and for innovative technologies for assisted driving and road safety, using "ad hoc" vehicle-to-vehicle and vehicle telecommunications equipment and networks - infrastructure. He is a member of the Italian Board of Professional Engineers and of some important professional associations, author of some publications and speaker at conferences and seminars in Telecommunications, he is also a member of the Commission for Information Engineering and of the Commission for Environmental and Safety of Work of the Board of Engineers of Matera..



ROMA – 14 Maggio 2024
NH ROMA VILLA CARPEGNA (RM)



BICSI ENDORSED EVENT – CONFERENZA EUROPEA 2024 CON ESPOSIZIONE

08 – Vittorio Balestrini – FIORE

17:15 - 18:00 *Let's talk about cable*
(Parliamo del cavo)

Abstract Different brands with different performances ... better check inside !

Speaker Profile Vittorio Balestrini, Sales Director at Fiore with more than 30 years sales experience including Vendors, Service Providers and Distributors, with a particular focus on complex Cabling, Networking and UCC solutions.