



IEEE International Conference on Advanced Networks and Telecommunications Systems

16-19 December 2018 – Radisson Blu, Indore, India

“Towards a Hyper-Connected World: Emerging Trends in ICT”

Panel Discussion on –

“Securing the Internet of Things –

Security and Privacy in a Hyperconnected World”

19th December 2018

They say, NOW you don't need Missiles or Nuclear Bombs to bring down an Enemy Nation... you just need a bunch of good hackers, and you can bring down even a most powerful nation on its Knees merely by hacking & shutting down the critical infrastructure of the nation...

NOW, even the Blockchains being hacked & BITCOINS being stolen...

And the IoT deployments have the most vulnerable attack surface areas... And, hence, the entire buzz about securing the IoT Deployments end to end; because **“A chain is as strong as its weakest Link”**...

However, the question in the minds of design engineers is – How Much or How Less Security is optimum? And how do we address the Privacy of Individuals and their Data in this Hyperconnected world?

The Panel Discussion shall provide a comprehensive 360-degree view of security & privacy implications in various aspects of the IoT paradigm...

Attend, interact with heterogeneous mix of design & security experts and go back with actionable insights within your own area of interest within the heterogeneous IoT Ecosystem...

Moderator - N. Kishor Narang, NARNIX

Panellists - Hemant Rath TCS
AT Kishore UTL Technologies
Nishant Krishna

narang n. kishor
mentor & principal design architect
narnix technolabs pvt. ltd.



Technology Philanthropist, Innovation & Standardization Evangelist

- Kishor is currently leading the Smart Cities Standardization Globally as “Convener of Reference Architecture Work Group in **IEC** Systems Committee on Smart Cities”, and also as Co-editor of a few ISO Standards.
- At the National level, he is leading the Smart Cities Standardization work in ICT & Electrotechnology domains as the Chairman of LITD 28 – Sectional Committee on Smart Infrastructure at BIS (Bureau of Indian Standards), where the main focus is on Standards development for **Unified & Secure ICT Architecture** for Smart Cities/ Infrastructure.
- Professionally, Kishor is Technology Consultant, Mentor & Design Architect in Electrical, Electronics & ICT with over 40 years of professional experience in education, research, design and consulting. Over 30 years of hardcore Research and Design Development Experience in Solutions, Systems, Products, Hardware, Software & Firmware (Embedded Software) in fields of Industrial, Power, IT, Telecom, Medical, Energy and Environment, and over 10 years of Consultancy Experience to different segments of business & industry. He has over 200 Research & Design Mentees in the Electronics, ICT & STI Ecosystems. Professionally, he is an Electronics Design Engineer practicing design & development of a wide spectrum of Products, Systems & Solutions as an Independent Design House - NARNIX.

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HEMANT RATH.

Hemant is a Senior Member of IEEE and IARCS, holds MTech and PhD from IIT Bombay, India and BE in EL&TCE from VSSUT Burla, Odisha. He has more than 20 years of experience in academics, research and industry. At present, Hemant is a Senior Scientist at TCS Research & Innovation, Bangalore/Bhubaneswar, where he is working since Dec 2010. Prior to TCS he was with KIIT Bhubaneswar as an Associate Professor (2009-10), Manager at Usha Martin Academy - IIT Madras (2000-02), Scientist at CEERI Centre New Delhi (1998-2000). His research interests include: Augmented Robotics, Fog computing, Mobile Edge computing, QoS in Networks, 5G Network Design, Software Defined Networks, etc. He has published many research papers and presented many talks in national and international conferences and journal such as IEEE Globecom, ICC, SECON, COMSWARE, TENCON, COMSNETS, NCC, PIMRC, INDICON, ACM ICDCN, ITU-T, BWCI-COAI Workshop etc., and has filled/obtained several patents in the broad areas of communication and networking. He is also active in national and international standardization (IoT - ITU-T, GISFI, TSDSI, IEEE) in the areas of networking and communications.

AT Kishore.



AT Kishore

AT Kishore is currently based out of Bangalore, India. His days job is Principal Consultant Telecom, UTL Technologies, a company that pioneers in Make In India, Digital India, Skill India missions, state wide area networks, India Technical Economic Cooperation.

His current roles as Technologies Head at UTL includes PMKVY, NSDC sector skills in Optic Fiber, LINE ASSEMBLER, ADVANCED WIRELESS, LTE, 5G, IoT, and Blockchain.

He specialises in Knowledge Transfer Strategy for youth, and is in advisory roles for several national academic institutions and ever since Govt Of India started Smart India HACKATHONS, Mr. Kishore has been quite active as mentor and evaluator. At IEEE, he is a

senior member and executive committee member of Communications Society and life member of Engineers Without Borders. He is part of IEEE Smart Cities Advisory Team. He is an organizing committee member for IEEE ANTS since 2016, and this year he is working with various industries for their presence in IEEE ANTS 2018 to be held in Radisson Blu, Indore during 16th till 19th December. He guides universities in TEQIP FDPs on LTE and 5G.

In the past Sri Kishore served Alcatel Lucent technologies, National Informatics Centre and Indian Airforce as an Aeronautical Engineer Electronics.

He holds a Master's Degree in Applied Electronics from Osmania University Hyderabad, and his one year internship at DLRL labs ab initio was on thin film hybrid micro Electronics. He is one of the direct students of Dr MS Vijayaraghavan, staff officer to Scientific advisor to RM during the times of Sri Abdul Kalam.



About Nishant Krishna.

- Entrepreneur, Software Architect, Innovator and Inventor with 18+ years of experience working on EdTech, Cloud and Virtualization, Software-Defined Network (SDN), Internet of Things (IoT) technologies, Machine Learning, security compliance, API Development and Network Management Systems (NMS).
- Co-founder of "Tech Machinery and More Pvt. Ltd." and Head of Technology at NumberNagar. Also working on few architectural consultancy projects in Cloud, Security, UX, IoT and Machine Learning.
- 4 patents granted and 7 patents filed/pending with US Patent Office and India Patent Office in the areas of Network Management Systems, Cloud, Virtualization, SDN Technologies, Security, and Anti-Counterfeiting technologies.
- I participate actively in User Experience (UX) and Wireframing related activities.
- My areas of interest include Cloud and Virtualization, Machine Learning, IoT, UX, User Interfaces, Network Security, Ethical Hacking, Cryptography, Anti-Counterfeiting technologies, public speaking and latest tech and gadgets.
- I'm an active member and contributor to numerous technical meetups. I'm also a contributor to IEEE conferences and IEEE standards (P1931.1, P1451-99), and member of subcommittees and working groups working on defining standards for IoT and Smart Cities.
- I have a Master of Science (MS) in Software Engineering degree from BITS, Pilani, along with many technical certifications.