

Keynote-1: Internet in the Small: The Internet of Things

Dr. HENNING SCHULZRINNE



Dr. HENNING SCHULZRINNE is Levi Professor of Computer Science at Columbia University. He served as the Chief Technology Officer and is currently a Technical Advisor for the United States Federal Communications Commission (FCC). His research interests include Internet multimedia systems, ubiquitous computing, and mobile systems. Protocols co-developed by him, such as RTP, RTSP and SIP, are now Internet standards, used by almost all Internet telephony and multimedia applications. He is a member of the "Internet Hall of Fame" and has received the New York City Mayor's Award for Excellence in Science and Technology, and the VON Pioneer Award amongst many others.

More at: <http://www.cs.columbia.edu/~hgs/>

Session 1: The start-up ecosystem and its role in the App Economy

CHINNU SENTHILKUMAR



CHINNU SENTHILKUMAR is a Director in board/ Technical Advisor in half a dozen start-up Technology firms both in India and US. He has worked in High-Tech companies focused on Semiconductor/HW industry for nearly two decades, in leading companies like SanDisk Corp., Intel Corp., Texas Instruments, both in US and India. As country head at Sandisk, he played a key role in forging partner relationships with companies like Wipro and HCL to outsource Engineering and IT turnkey projects. He has authored/co-authored 9 US patents in Semiconductor design/HW systems. He received "National Technology" award from President of India during his college days for an innovative Technology project (1990). A couple of Tech start-ups he associated with, were shortlisted for TiE50 (2013) in a worldwide competition. He holds MSEE from University of Utah, Salt Lake City and B.Tech from Guindy Eng. College.

PRADEEP NAIR



PRADEEP NAIR is co-Founder and CEO of Confianzys. He is a Product Management evangelist & consultant for over 25+ product companies in India. He has 22 years professional experience across mid-size IT firms & global Fortune 10 corporations and a deep industry knowledge of FMCG/CPG, Retail/eTail, Hi-Tech and Engineering combined with extensive functional knowledge of Supply Chain Planning, Execution and Optimization (SCPMEO), Distribution, Demand management, Logistics, Warehouse Management etc. He has worked with FMCG majors globally and in India to adopt "Efficient Consumer Response (ECR)" which has been the bulwark for these companies to understand consumers. He is a trained Blackblot Strategic Product Manager™. He has facilitated several workshops for leading High -tech companies in the region. He has mentored Entrepreneurs and helped shape their skills, role and careers while helping them meet their corporate/business goals. He was with Sonata Software and IBM before Confianzys Consulting Pvt Ltd.

Source: <http://www.confianzys.com/blog/author/pradeep/>

http://www.nasscom.in/sites/default/files/Speakers/Pradeep_Nair.pdf

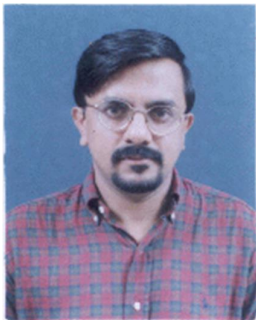
AMAR NAGARAM



AMAR NAGARAM is the Director of Mobile Engineering at Flipkart. In his current role, he is responsible for product development across Flipkart's consumer facing Mobile Applications. He is passionate about building Mobile products from the ground-up to deliver superior value and user experience to the end consumer. He is equally passionate about building great teams. He believes in a design language that prefers "People over Pixels". He is excited about start-ups that are solving challenging problems for emerging markets and he works with many such start-ups, mentoring them on all things Mobile. He is also an advisor to half a dozen startups.

Prior to Flipkart, he worked at @WalmartLabs - he was involved in strategy development for Walmart's next generation e-commerce Platform. He was also instrumental in setting up @walmartlabs India center of excellence.

Moderator: D. MANJUNATH



D. MANJUNATH has been with the Department of Electrical Engineering of IIT-Bombay since July 1998. He received his BE from Mysore University, MS from Indian Institute of Technology, Madras and PhD from Rensselaer Polytechnic Inst, Troy NY in 1986, 1989 and 1993 respectively. He has worked in the Corporate R & D centre of General Electric in Sעהenctady NY during the summer of 1990. He was a Visiting Faculty in the Computer and Information Sciences Department of the University of Delaware and a Post Doctoral Fellow in the Computer Science Department of the University of Toronto. He was on the Electrical Engineering faculty of the Indian Institute of Technology, Kanpur during December 1994 - July 1998. His research interests are in the general area of networking, queueing and other stochastic systems, and performance modeling.

Source: <https://www.ee.iitb.ac.in/~dmanju/>

Session 2: Telcos' role in the App Economy

ISHWARDUTT PARULKAR



ISHWARDUTT PARULKAR is a Cisco Distinguished Engineer in the Mobility Business Group, Cisco. In this role, he works on technology and architecture for cellular/Wi-Fi architectures, mobile backhaul, analytics and IOT. Prior to Cisco, he was a Distinguished Engineer at Sun Microsystems, where he was instrumental in architecting and developing several generations of SPARC servers, storage/networking/datacenter equipment and high-performance microprocessors/chipsets. Before his stint at Sun, he worked at Apple on Mac desktops/servers and mobile devices. His expertise spans system and silicon architecture across networking, data center and consumer products. He has made many fundamental innovative contributions in these areas, several of which are captured in the 19 patents and over 30 technical papers that he has published. He is a program committee member of several IEEE conferences, is on the Technical Advisory Board of University of Southern California and is a frequent invited speaker at industry events. He did his MS degree in Electrical Engineering from Vanderbilt University and his PhD in Electrical and Computer Engineering from University of Southern California.

Source:

https://www.ciscolive.com/online/connect/speakerDetail.wv?PERSON_ID=C7B2C12418F9FD88766D28A16528DC2B&tclass=popup

PRAVIN BHAGWAT



PRAVIN BHAGWAT is the Founder and Chief Technology Officer at AirTight Networks. He is a wireless networking pioneer and an accomplished researcher. He brings 20+ years of leading edge research and development experience in wireless, security and networking and leads product innovation, technical strategy and technical marketing at AirTight Networks. Prior to founding AirTight Networks, he spent 1.5 years as a visiting faculty member at Computer Science department, IIT Kanpur. He received 2005 Global Indus Technovator Award for successfully engineering the world's first, very large scale outdoor WLAN network connecting two cities in North India.

Pravin started his research career at IBM Thomas J. Watson Research Center and AT&T Research where he was a lead member of MobileIP, and Bluetooth research teams. Pravin has research papers (with 1000+ citations) and 16 patents to his credit. For the past three years, Pravin has also been active in several community level green initiatives and social entrepreneurship projects. Pravin has a B.Tech. in Computer Science from IIT Kanpur, India and an MS/PhD in computer science from the University of Maryland, College Park, USA.

S. R. RAJA



S.R. RAJA is the Mobility Practice Head & SMAC Core Team member at Persistent Systems since 2013. He is a Business and Technology Executive driving go-to-market and customer solutions in the Internet of Everything (IOE) and Enterprise Digital Transformation (EDT) space. Previously, he has worked at Sasken Communication Technologies Ltd as AVP Strategy, Management and Technology Consultant and Program Manager. He is also the Co-Founder Trustee and President of Mobile Monday (MoMo)Bangalore Trust.

<https://www.linkedin.com/in/srraja16471>

Moderator - T.K. SRIKANTH



T. K. SRIKANTH obtained his Ph.D. in Computer Science from Cornell University in 1986, and has a B.Tech (Mech. Eng) from the Indian Institute of Technology, Madras. He has over 28 years of experience in the software industry.

Prior to joining IITB, he was at Sasken Communication Technologies, where he handled business, technology and product management roles, and lead various product and R&D initiatives, especially around wireless and multimedia technologies and mobility. Earlier, he co-founded and lead software development for a startup in the US, focusing on geometric modelling with applications in mechanical design and geo-sciences.

His areas of interest include mobile and cloud applications, geometric modelling and graphics, and distributed computing.

Keynote-2: IANA Stewardship Transition & Implications for Developing Nations

SAMIRAN GUPTA



SAMIRAN GUPTA is the Head of India for ICANN and a veteran in business strategy and public affairs management. Prior to joining ICANN, he was a Senior Director with APCO Worldwide responsible for counseling clients in business and public affairs strategy. Earlier, he was a founder and managing director of a leading management consulting and business advisory practice known for working on distinctive projects for a range of corporations from Fortune 500 clients to top Indian businesses and mid-sized entities. He has worked extensively in sectors including telecom, entertainment, payment systems, e-commerce, social media, and energy and renewables. He has a Masters in Business Administration from St Joseph's University in Philadelphia, United States of America, and a Bachelor of Commerce from University of Calcutta, India.

Session 3: ICT for Innovation

ANIL KAUSHAL



ANIL KAUSHAL has been a Full Time Member at Telecom Regulatory Authority of India since 7th April 2015. Mr. Kaushal is a very senior Telecom Professional with an experience of about 4 decades in Telecom Sector , covering a full spectrum of services and disciplines. He belongs to Indian Telecom Service (ITS) and possesses all-round knowledge about the Evolving Telecom Scenario in India since Liberalization and the challenges involved as a Policy maker/Licensor/Operator very relevant to the Developing/Under Developed Nations and also the shaping up of the Regulatory environment in India from its beginning.

During his entire professional career in the Dept. of Telecom, Mr. Kaushal has held several key portfolios like Member (Technology) -Telecom Commission(Ex-Officio Secretary to the Government of India) , Senior DDG – Telecom Engineering Centre, Chief General Manager (CGM) – Northern Telecom Region and also CGM HP Telecom Circle.

Source: TRAI

VIPIN TYAGI



VIPIN TYAGI is currently the Executive Director of Centre for Development of Telematics (C-DOT). After graduation, he joined ECIL as a trainee and worked on developing the first message switching system for the country, which was deployed. He then joined C-DOT, where he worked with many departments of Telecom switching software development. He was the in-charge of all labs of C-DOT in Delhi. He also controlled the validation, verification & upgrade of software. He later joined Siemens Information Systems, where he was the first employee to join their Telecom department. There he developed 4 products, which landed in sales list of Siemens. He also served as Chief Executive Officer and President at Network Programs India Limited.

Source : <http://www.careerage.com/interviews/prev/mpi/>

VIMAL WAKHLU



VIMAL WAKHLU is currently Chairman & Managing Director of **TCIL**. He has got 38 years of experience in the field of Telecom including e-Networks, Mobile Communications, Satellite Communications including VSAT based Networks, Optical Communications, Troposcatter Communication, Data Transmission, Maritime Communications, International Telephony, Microwave Systems, Co-axial Systems and Multimedia Transmission. Since December 2006 he has been working with TCIL in various capacities. He has been instrumental in the successful implementation of the prestigious Pan African e-Network Project. He is also a Life Fellow of IETE (Institution Of Electronics and Telecom Engineers), a Member of IEEE (Institution of Electrical and Electronics Engineers) and a member of the Executive Committee of the Delhi Section, a Life member of The Telemedicine Society of India, a member of the ITU APT Foundation of India and a Member of Broadband India Forum.

Source: <http://www.tcil-india.com/new/bodss.php>

P.K. GARG



P.K. GARG has served as the Wireless Advisor to the Government of India, Ministry of Communications & IT and was Former Member, Radio Regulations Board, ITU, Geneva. He has 40+ years' experience in the field of communications, especially national RF spectrum regulation & management, planning of radio-communication networks, etc. He has also served as the Senior UN & ITU Expert in Radio Frequency Spectrum Management in Saudi Arabia. He is an international authority on radio frequency spectrum regulation & management as well as planning of radio-communication networks. He is a Fellow of the Institution of Electronics & Telecommunication Engineers (India) for the last 20 years and has been a Member on its Governing Council also. He has also been awarded the 'Eminent Engineer Award' for the year 2003 by the Institution of Engineers, Delhi Centre.

<http://www.technoconsultants.asia/pkgarg.html?height=300&width=600>

T.R. DUA



T. R. DUA is the current Director-General of Tower and Infrastructure Providers Association (TAIPA). He has held senior positions as a director in telecom companies like Bharti Airtel, Shyam Telecom and Cellular Operators Association of India. He is an engineering graduate with diploma in Business Management and export Marketing. He has an experience of over 35 years in the telecom sector. His experience includes all facets of telecom be it Product Development, Business Development, Telecom Licensing, Regulatory issues with respect to interconnection / roaming / unified licensing and infrastructure sharing / Mobile Number Portability, Spectrum Management, Spectrum Related Issues Like Spectrum Pricing, Efficient Utilization and Spectrum refarming etc. He has also been involved very closely with number of Joint Ventures / Technical Collaborations.

Source: <http://www.itu.int/en/ITU-T/Workshops-and-Seminars/bsg/201212/Pages/DuaTR.aspx>

SHAILENDRA K. HAJELA



SHAILENDRA K. HAJELA is currently the Chairman of the ITU-APT Foundation of India.

During his career spanning over 33 years in the Department of Telecommunications, he was engaged in planning, provisioning, development of network infrastructure, project management, operation and management of services, holding positions of progressively increasing responsibility. He has two stints at International Telecommunication Union (ITU), where he has served as Team Leader and Sr. Expert for 5 years and then, for another 5 years as the Area Representative for West & South Asia and Coordinator of the ITU/BDT Regional Office for Asia and the Pacific at Bangkok. On retirement from ITU, he has been associated with the Telecom Regulatory Authority of India as honorary Sr. Consultant for over 8 years. He has undertaken major consultancy assignments in India and abroad with the Government, World Bank, Asian Development Bank, UNESCAP, UNDP, ITU and the Asia-Pacific Telecommunity. He is a member of the Project Advisory Committee of Technology Systems Group, Ministry of Science & Technology, Chairman of the ITU-APT Foundation of India and Chairman of Telecel Communications (P) Ltd.

Source: <http://www.skills2015.org/organizationcommittee.html>

Session 4: Law, regulation and policy of App Economy

H. JAMADAGNI



H. Jamadagni is a Professor at the Department of Electronics Systems Engineering (earlier known as Centre for Electronics Design and Technology) at the Indian Institute of Science. His research areas are embedded systems and VLSI for Wireless Networking. He has also been a Part-time Member at Telecom Regulatory Authority of India (TRAI) since 2010.

<http://www.dese.iisc.ernet.in/ese/index.php/facultys/jamadagni-h-s>

<https://www.linkedin.com/in/hsjam>

PARNIL URDHWARESHE

Parnil Urdhwareshe is an alumnus of NLIU, Bhopal from the class of 2014. He is a Research Assistant at Indian Council for Research on International Economic Relations (ICRIER).

DEEPAK MAHESHWARI



Deepak Maheshwari is the head of government affairs in Symantec and acts as the nodal point in India on policy, legislation, regulation, and related matters. A public policy and regulatory affairs professional in the Information and Communication Technology (ICT) sector, with 15+ years' experience, he has a keen interest in the interplay of technological innovation with socio-economic development and has been an active influence in the development and evolution of digital economy through interactions with the policymakers & regulators as well as with industry associations, NGOs, think tanks, media and academia. He has previously worked at Genesis-Burson Marsteller, MasterCard, Microsoft, Sify, Datapro and HCL.

<https://www.linkedin.com/in/deepakmaheshwari1>

https://www.dsci.in/sites/default/files/Deepak%20Maheshwari_Profile.pdf

Moderator – V.SRIDHAR



He works in the area of telecommunications technology, management and policy. He has published many peer-reviewed articles in leading telecom and information systems journals. His book titled *The Telecom Revolution in India: Technology, Regulation and Policy* was published by the Oxford University Press India (2012). He has co-authored a recent book titled *The Dynamics of Spectrum Management: Legacy, Technology, and Economics*, published by the Oxford University Press (2014). He has taught at Ohio University and American University in the U.S.; visiting scholar at Aalto University, Finland and University of Auckland, New Zealand; and was in the faculty of IIM Lucknow and Management Development Institute, Gurgaon, India. Prior to joining IIIT-B, he was a Research Fellow at Sasken Communication Technologies, Bangalore, India. He has been a member of Government of India committees on spectrum allocation and pricing. Prof. Sridhar has a Ph.D. from the University of Iowa, U.S.A.; PGDIE from the National Institute of Industrial Engineering (NITIE), Mumbai, India and Bachelor of Engineering from the University of Madras, India.