

*In order of speaking*

**Conference Day One – Plenary**



**Michael Howard**  
*Co-Founder & Principal Analyst*  
**Infonetics**

As co-founder of Infonetics Research, Michael Howard has 40 years of communications industry experience, including 20 years in market research. Michael is recognized worldwide as one of the industry's leading experts in emerging markets, service provider network market trends, and user buying patterns. He currently focuses on IP edge and core routers, carrier Ethernet, IP/MPLS, VPLS, pseudowires, WDM-PON, WDM, ROADM, SONET/SDH optical, 40G–100G, IP NGN, and packet transport from customer CPE through the metro to the core and long haul. He also tracks IP VPN, Ethernet, mobile backhaul, and optical services that service providers offer their customers.

In addition to authoring regular market research reports, Michael is a consultant to startups, service providers, manufacturers, and the investment community, identifying new market opportunities, providing due diligence, and advising on positioning, product development, business plans, and M&A activity.

Michael co-authored the 2008 book *Delivering Carrier Ethernet: Extending Ethernet Beyond the LAN*, moderates webinars, chairs conference programs, and speaks at industry events around the world, including the Broadband World Forum in Europe and Asia, NetEvents, Carrier Ethernet World Congress, Telecom India, Next Gen WDM/Optical Conference, and SuperComm. He is frequently quoted in trade and business press such as *Business Week*, *CNN Money*, *The Daily Deal*, *Forbes*, *Fortune*, *Investor's Business Daily*, *Light Reading*, *NetworkWorld*, *New York Times*, and *The Wall Street Journal*.

Before founding Infonetics, Michael was an IT Director at Tymshare/Tymnet, where he created network accounting, and led the First Interstate Bank project that developed the world's first pre-Internet in-home banking system. Prior to that, shortly after receiving a BS in Mathematics from UC Berkeley, Michael worked for Systems Development Corporation on operating systems and programming language compilers for ARPAnet, which later became the Internet.

Besides earning the moniker 'rock star of telecom market research' from fans, Michael is also an accomplished abalone diver, chef and photographer.



**Ibrahim Gedeon**  
*CTO*  
**Telus**

Ibrahim Gedeon as CTO is responsible for technology strategy, network and services architecture and network support systems for TELUS Communications Inc. In his role he is responsible for the wireless-wireline service and network convergence, enterprise applications and network infrastructure strategies and evolution. Mr. Gedeon has held numerous leadership roles in the Institute of Electrical and Electronics Engineers (IEEE) and has received several professional awards, including IEEE Canada's Outstanding Canadian Engineer Award. Ibrahim has a Bachelor's in Electrical Engineering from the American University of Beirut and a Masters' in Electronics Engineering from Carleton University. He is also renowned as a master chef and has authored a cook book entitled *From the Heart*, released in 2005 and his most recent book entitled *Weeding out the Wankers* in 2011.



**Nan Chen**  
*President*  
**Metro Ethernet Forum (MEF)**

Mr. Nan Chen is known in the telecom/networking industry as the founding President of the MEF. The MEF has materially shaped the telecom and Internet industry by establishing Carrier Ethernet as the predominant technology and one of the fastest growing services for businesses, homes, mobile infrastructure, and for next generation networking for the Internet.

Under his leadership with profound drive to unite standardization and certification with dynamic, global campaigns and strategic initiatives, MEF, has grown to over 180 members, starting with a surge of standards (20+), combined with the historic Carrier Ethernet definition and eminent certification programs, now over 100 companies certified.

Mr. Chen has received 30+ industry awards/accolades and 10,000+ citations in worldwide media (Google Nan Chen). In his past life, he was a record holder in pole vault at Beijing University with 2 MS & 1 BS degrees.



**Bill Bjorkman**  
*Senior Technical Consultant*  
**Verizon**

Bill Bjorkman, Senior Technical Consultant at Verizon Communications is a leading industry expert on deployment of next generation Ethernet services and Carrier Ethernet networks, and has over twenty years of experience in high speed data communications networks. Bill has been co-chair of the MEF Technical Committee for the last six years, and a key contributor to MEF in many areas, and editor of several MEF specifications in the areas of Carrier Ethernet services and network interconnection. Mr. Bjorkman also provides consulting services in the industry, e.g., as technical advisor to CENX, regarding the development of the Carrier Ethernet Exchange market. He has been published numerous times and holds several patents in the area of carrier Ethernet. Previously, Bill was Director of System Technology in Nokia Telecommunications, and Director of Broadband Data Services in NYNEX Science & Technology.



**Peter Agnew**  
*Director, Network Service Design*  
**COLT**

Peter Agnew has spent 23 years in the data and voice communication arena. Peter is responsible for Technology Strategy at COLT Telecom, providing direction in the development of new and innovative platforms and services. His scope and experience is across all network services including DWDM, Ethernet, IP services and Next Generation Networks and solutions.

Peter was previously at Nortel Networks for 9 years responsible for product management of data products and Internet solutions. Prior to that, Peter spent 5 years with Timeplex providing 3rd level support for TDM and packet networking products.



**Carsten Rossenhoevel**  
*Managing Director*  
**EANTC**

I am a co-founder of EANTC AG and helped to spin off the company from Technical University of Berlin in 1999. EANTC has established itself as an internationally recognized test center offering independent and unbiased tests for network technologies with a strong track record of customer projects. I have been acting as managing director responsible for different areas over time. Having started as the CTO with last-level responsibility for project management and consultancy, my role has shifted towards business development. I am an active member and standards editor in several industry forums like the Metro Ethernet Forum and IP/MPLS Forum, as well as a frequent speaker in international conferences. I received my degree in Computer Science with focus on software engineering, network technologies / Internet services, computer and communication law from the Technical University of Berlin, Germany.



**Rami Rahim**  
*SVP & GM, Edge and Aggregation Business Unit*  
**Juniper Networks**

Rami Rahim is responsible for driving business growth, strategy, innovation, and product development for all of Juniper's edge routing and carrier Ethernet products including the M, E, and MX-series. Prior to this role, Rami spent the majority of his 14 years at Juniper in the development organization where he worked on the architecture, design and implementation of Juniper's core, edge, and carrier Ethernet products. Rami Rahim holds a Bachelor of Science degree in electrical engineering from the University of Toronto and a Master of Science degree in electrical engineering from Stanford University.



**Nav Chander**  
*Research Manager for Enterprise Telecom*  
**IDC**

Nav has 17 years of product planning, product management, marketing and business development experience. He is an experienced enterprise and carrier data networking telecommunication professional developing product & marketing strategy. This has led to successful market launches of Layer 3 switches, IP routers, Carrier Ethernet Layer 2 Switches, MPLS edge routers and Frame Relay/ATM products. Nav is also knowledgeable of challenges and opportunities facing the Telecom Infrastructure segment. His past roles include working with some of the leading global systems integrators, telecom equipment vendors, and service providers such as MCI, Alcatel-Lucent, Motorola, IBM & 3Com . Mr. Chander has an undergraduate engineering degree in mechanical engineering and an MBA both from the University of Ottawa, Canada.



**Yaron Nachman**  
*Solution & Product Line Manager*  
**Nokia Siemens Networks**

Yaron Nachman has over 20 years experience in Telecommunications and Data communication and is currently leading Product Management and Solution Development for Nokia Siemens Network's Carrier Ethernet Transport solutions for Mobile Backhaul, Enterprise and Residential services.

Prior to NSN, Yaron served as Senior System Architect in Seabridge Networks, a leading provider of ATM and Ethernet switches for CSPs. Before Seabridge, he served as System Architecture Group Manager in Packetlight Networks, a leading startup company in Packet-Optical networks and systems. Before Packetlight, he worked in Avaya Communications (formerly Lucent and Lannet) as senior System Architect, responsible on requirements and architecture definition for Enterprise LAN switches and routers.

Yaron has been an active member in IEEE 802 standard group, defining Ethernet and Bridging standards. He holds numerous patents in the Telecom and Datacom fields.

Yaron holds B.Sc. (Cum Laude) and M.Sc. in Electrical Engineering from the Technion, Israel Technology Institute.



**Shin Umeda**

*VP, Carrier Ethernet Market Research*

**Dell'Oro Group**

Shin Umeda covers the Carrier Ethernet and Routers market research programs and manages the Optical Transport market research program.

Mr. Umeda joined Dell'Oro Group in 2000, bringing extensive experience in financial and operations planning and analysis. Prior to joining Dell'Oro Group, Mr. Umeda worked at Nortel for eight years, where he was the Management Reporting Manager for the Bay Networks Line of Business. He joined Nortel through the acquisition of Bay Networks, where he held financial management positions in Corporate Management Reporting, Hub and Switch Product Business Unit Finance, and Business Operations and Planning. Mr. Umeda also worked for SynOptics Communications, prior to its merger with Wellfleet Communications to form Bay Networks.

Earlier in his career at Amdahl Corporation, Mr. Umeda held financial analyst positions in the manufacturing organization, the Peripheral Products Division, and the Communications Products Division.

Mr. Umeda's research and analysis has been widely cited in leading trade and business publications including Bloomberg, BusinessWeek, Network World, The Economist, The New York Times, TheStreet.com and The Wall Street Journal. He has appeared as an invited speaker at industry conferences, investor conferences, customer seminars, and sales meetings around the world.

Mr. Umeda has a B.A. degree in Business from San Jose State University and an M.B.A. in Finance from Golden Gate University.



**Camille Mandler**

*Principal Analyst & Head of Industry Verticals*

**Informa**

Camille is principal analyst and head of Informa's Enterprise Verticals research practice. Her team advises clients on market demand and sales engagement models, focusing in particular on the monetisation of cloud computing, Ethernet, mobility and M2M in verticalized contexts.

Camille is an accomplished consultant and team manager, having delivered more than 70 expert engagements to clients in Asia, Europe and North America during her career. Previously, Camille was a vice president at Yankee Group, where she spearheaded research and consulting in telecom industry transformation, with specific competences in cloud computing and managed services.

Camille is a frequent public speaker and media commentator on global ICT trends. She is a judge for the MEF Service Provider Awards and Total Telecom World Vendor Awards. She has held operational roles in strategic marketing and fiber infrastructure development in European wholesale operators, and has served as an advisor to the Soros Foundations and the International Telecommunication Union.

**Conference Day One – Stream 1 – Session 1**



**Rick Talbot**  
*Senior Analyst*  
**Current Analysis**

Rick brings more than 25 years of experience to Current Analysis clients as a technology and marketing analyst in the telecommunications industry. As Senior Analyst, Transport and Routing Infrastructure, Rick primarily focuses on tracking, analyzing and reporting on developments that impact the metro, and long-haul optical infrastructure market. His areas of coverage include the companies, technologies and strategies related to the market for WDM-based access, switching, optical add/drop and PON products.

Rick has served with network operators, equipment vendors and the government. He has held product marketing, product management and strategic planning positions at NEC Corporation of America, PacketLight Networks, Ciena Corporation and Alcatel Network Systems. He has held engineering, network planning and marketing positions at Broadwing Communications, WiTel, National Datacom and Southwestern Bell Telephone Company. He was also a policy analyst for the Public Utility Commission of Texas.

Rick holds an MBA degree from Southern Methodist University and a bachelor of engineering science degree from Trinity University. He is a registered professional engineer in the State of Texas and a senior member of the Institute of Electrical & Electronics Engineers.



**Atul Shinde**  
*Product Marketing Manager, Wired Communication*  
**Xilinx**

Atul Shinde works as Product Marketing Manager in Communications Business Unit of Xilinx since March 2011. He has 18+ years background as an entrepreneur and technology executive responsible for global marketing. He has been a founder and an early member of several successful venture funded companies including Luminous Networks. He has been a pioneer in field of high-speed data/telecom networking (multi-service networking, circuit emulation over packet networks, etc) and mobile Internet. He was a founding team member of Metro Ethernet Forum (MEF) and co-inventor of IEEE 802.17. He has contributed multi-million dollars in revenue generation through strategic marketing and business development for technology companies. He holds patents in areas of multi-service networking and mobile applications. He focuses on telecom infrastructure, wireless and data/telecom networking.



**Johannes Weingart**  
*Product Manager*  
**Eunetworks (previously TeraGate)**

Johannes Weingart works since February 2010 as Head of Product Management for TeraGate AG ([www.teragate.de](http://www.teragate.de)). In this role he is responsible for product definition and product management. TeraGate AG is a Connectivity Solution Provider focused on Ethernet WAN connectivity and Data Center Interconnection.

Previously Mr. Weingart worked as Solution Manager at ADVA Optical Networking. In this role, Mr. Weingart was responsible for identification of applications and definition of solutions for the carrier infrastructure networks market segment. This included business and portfolio strategy recommendations as well as sales enabling and market communication support.

Prior to that, he worked for BT Global Services, where he was involved in the definition and launch of BT's Global Ethernet Service Portfolio.

Prior to that, he held various positions in Siemens, including SDH equipment and system development, product management for network management systems and network operation consulting.

Mr. Weingart holds a degree in Information Technology Engineering from the University of Munich.



**Matthias Homann**

*Specialist, Transport Network Design*

**COLT**

Matthias joined Colt in 1998 and works as specialist for network design and architecture of transport services. Previously Matthias worked on various technologies like DWDM, IP or ATM and customer solution design.

Since 2005 Matthias is focused on the further development of the Colt Carrier

Ethernet services and active in the MEF Technical Group.

Matthias holds a degree in physics (Diplom Physiker) from University of Hamburg.



**Matt Ma**

*VP Transport Engineering*

**Tata Communications**

Matthew Ma is Vice President of Transport Network Engineering for Tata Communications. In this role, Mr. Ma is responsible for planning common transport network and services globally as well as within India. Prior to joining Tata Communications in 2005, Mr. Ma a number of management positions at Tyco

Telecommunications including head of network engineering. Mr. Ma also worked as a researcher in ATT Bell Labs specializing in subsea DWDM transmission.

Mr. Ma has a PhD in electrical engineering from Virginia Tech, and is the author of many papers and patents.



**Matthew Bocci**

*PWE3 & ANCP, WG Co-Chair*

**IETF**

Matthew Bocci is Director of Technology and Standards with Alcatel-Lucent's IP Division. He is a regular contributor to the IETF, where he co-chairs the PWE3 and ANCP working groups, and the former IP/MPLS Forum where he chaired the Applications working group. He is co-author of a number of publications and

IETF drafts and RFCs on MPLS-based converged networks. Previously, Matthew provided advanced technical consulting in traffic management, signaling and network performance. He holds a PhD in ATM network modeling from Queen Mary & Westfield College, London, and a B.Eng(hons)(1st class) degree in Electrical and Electronic Engineering from University College London. He is a member of Alcatel-Lucent Technical Academy and the Institution of Engineering and Technology.



**Donald Eastlake**  
*Co-Chairman, TRILL Working Group*  
**IETF**

Donald Eastlake is Co-Chair of the IETF TRILL Working Group that is specifying the protocol standards for routing bridges as well as the author of the TRILL base protocol specification. He is a voting member of IEEE 802.1. Donald has previously chaired numerous standards groups including the IEEE 802.11 Mesh Networking Task Group, the IETF XML Digital Signature Working Group, and the IETF TRADE Working Group. He was the original architect of the DNS security standard and is the author of 51 IETF RFCs. Since December 2010, Donald has been a Principal Engineer with Huawei Technologies working on advanced network product research. Previously, he was a Principal Engineer at Cisco Systems and before that a Distinguished Member of Technical Staff at Motorola Laboratories, working on network protocols, security, and mesh networking.

### **Conference Day One – Stream 2 – Session 1**



**Rajesh Dhople**  
*Senior Product Manager*  
**Brocade**

Rajesh Dhople is a senior product manager in Brocade Communications' IP Products division, with more than 17 years of experience. Dhople is responsible for high-end service provider architecture, solutions, product strategy, evangelization of new technologies and standards. As part of his role, he is responsible for driving Brocade's new flagship products like the NetIron XMR Series of Internet routers, NetIron MLX Metro routers, Brocade MLXe high-end routers and Carrier Ethernet switches. Prior to Brocade, Dhople held numerous leadership positions in system architecture with Bay Networks and Nortel Networks.



**Matthew Finnie**  
*CTO*  
**Interoute**

Matthew Finnie drives the company's advanced services strategy, including developing the platform that has allowed the company to launch its industry-leading VOIP, Ethernet and Media products. Trained as an electrical engineer, he helped develop early IP-product innovations, including one of the first commercial applications of VOIP a decade ago. As head of the Enterprise Service Development Group at Vocaltec, he worked with European/US carriers and multi-national corporations to launch converged communication services. Matthew was also the co-founder of US-based Internet start-up Insitu, which developed real-time IP collaboration tools. Matthew has degrees in electrical and electronic engineering and marketing.



**Phil Tilley**  
*Marketing Co-Chair, EMEA*  
**MEF**

Phil is the Global marketing Co-Chair for the MEF (Metro Ethernet Forum) where he is working with other vendors and service provider members to increase awareness and adoption of Carrier Ethernet. Phil is regularly asked to contribute to the board meetings and is a regular attendee at the quarterly meetings. Phil Tilley currently

holds the position of Senior Director, European Regional Marketing for Alcatel-Lucent's IP Division. His responsibilities include developing the market awareness of Alcatel-Lucent's IP product portfolio, working with service providers to ensure success with their business services portfolio and building the required IP skills within Alcatel-Lucent to support a market leading IP portfolio.

Phil has more than 15 years engineering and marketing experience. He has worked closely with many carriers throughout Europe advising on the latest market trends and how these carriers can bring the technologies to market in a user centric manner. He is a regular presenter and chairman in industry conferences.

Phil Tilley joined Newbridge Networks in 1992, prior to its acquisition by Alcatel, starting as an approvals engineer. He subsequently held posts as product specialist, product manager and new carrier sector marketing manager. Phil Tilley has a Bachelor of Science degree in electronic engineering from the University College of North Wales.

### **Alex Nichol**

*EMEA Product Manager*

#### **Brocade**

Alex Nichol is the Product Manager for Brocade Communications IP Product Division within the EMEA region, focusing on the Service Provider market and Brocade's flagship high-end NetIron Ethernet router portfolio. Alex's role involves understanding the dynamics of the EMEA Service Provider market and driving the development of company's technology to meet market demands. Alex has 15 years of Experience in the network industry, working across various technology fields; Data Centre, Service Provider and Enterprise within Brocade, Nortel Networks and Bay Networks.



### **Jeff Smith**

*Senior Director, Product Management*

#### **Global Crossing**

Jeff Smith serves as Senior Director Connectivity Services, EMEA. He oversees Global Crossing EMEA's data Product organization regionally and in this position he is responsible for the execution of the data Product strategy in addition to the development, positioning and management of regional products and services, pricing, strategic marketing, and market development of the data Products. Mr Smith is a key spokesperson for Global Crossing with the regional media and analyst communities keeping them updated on corporate and regional strategy and developments.

On joining Global Crossing following their acquisition of Fibernet in 2006, Mr Smith served as Director Infrastructure Services EMEA, and contributed to the ongoing development and integration of the former Fibernet product portfolio, adding further capability to one of the UK's leading data networking organisations. In that role he was also responsible for Global Crossing's Secure Government IP VPN, commercial UK IP VPN, Transmission services, Carrier Ring Services, Ethernet portfolio and Managed Services.

Mr Smith has over 15 years telecommunications experience in Customer Service, Technical Management, Product Development, Product Management and Marketing, in the UK and overseas. Prior to joining Fibernet, he spent seven years working for Australasian telecommunications companies focusing on Managed and Hosted Voice and Data Services.



**Nicolas Fischbach**  
Director, Networks Architecture  
**COLT**

Nicolas Fischbach is Director of Network Strategy and Architecture at Colt, Europe's leading information delivery platform. He has been with the company for over ten years and before moving into this role was in charge of Network and Security Engineering and Operations. In this role Nicolas focuses on mid to long term planning, strategic architecture design, technology watching, and driving research and innovation.

Nicolas holds an Engineering degree in Networking and Distributed Computing and is a recognized authority on Service Provider security. He has presented at numerous technical and security conferences, teaches networking and security courses at various universities and engineering schools, participates to various research groups and regularly writes articles.



**Simon Parry**  
*Carrier Ethernet Consultant*  
**Ciena**

Simon Parry is currently serving as a Carrier Ethernet Consultant with Ciena, working with leading EMEA service providers to transform their networks. Prior to Ciena, Simon worked in Product Management for Telindus and Nortel, and in Nortel's advanced research department. He has 14 granted patents covering optical and packet transport.

### **Conference Day One – Stream 3 – Session 1**



**Rob Gallagher**  
*Principal Analyst, Broadband*  
**Informa**

Rob is responsible for directing Informa's global research into broadband, TV, digital media and the connected home. Under his guidance, Rob's multinational team of analysts and consultants produce authoritative analysis, forecasts and consultancy covering four key areas: broadband and pay-TV operators; network technologies; connected-home devices; and digital content and applications. He is a frequent speaker and chair at international conferences and frequently briefs and advises operators, content providers, policy-makers and vendors on industry trends and developments. His recent research interests include multiscreen services, superfast broadband pricing and content delivery networks (CDNs).



**Sten Nordell**  
*CTO*  
**Transmode**

Sten Nordell drives Transmode's strategic technology roadmap to deliver the next generation of optical IP/Ethernet systems. As one of the few people in the industry to have senior-level experience in building networks from the operator's perspective and in designing systems as a vendor to meet operator needs, Sten is highly regarded by his peers for his regular presentations at numerous conferences and shows world-wide. Prior to joining Transmode, Sten was Chief Convergence Officer and also VP Networks & Platform

Strategy at mobile operator Telenor Group, and served as CTO of both Utfors AB (the first carrier in the world to deploy IP/MPLS directly over WDM) and Bay Networks' Internet and Telecom Division in EMEA. Sten also has experience as a Director of Business and Technology Strategy EMEA for Nortel.



**Olivier Couvreur**

*Solutions Engineer, Backbone Networks*

**Belgacom**

Olivier joined Belgacom in 2010 as a Network Design Engineer, working on the evolution of Belgacom's IP/MPLS core and aggregation network. One of his main focus is delivering Video Services over the MPLS platform.

Olivier has more than 10 years of experience in IP/MPLS. He started in R&D at Alcatel and then at Alcatel-Lucent as Network Engineer providing support and consultancy for various customers.



**David Nogueer Bau**

*Head of Service Provider Marketing, EMEA*

**Juniper Networks**

David Nogueer Bau is the Head of Service Provider Solutions Marketing for Juniper Networks EMEA. He has extensive experience in Carrier Data Services with special emphasis on next generation Multiplay services and network architectures. Prior to joining Juniper Networks, Mr. Nogueer Bau spent seven years at Nortel where he was a Business Development Manager specializing in Carrier Ethernet and Broadband areas. Before Nortel he worked at Eicon-Dialogic as Technical Manager in Spain. David is the Country Marketing Chair at Metro Ethernet Forum for Spain.

Mr. Nogueer has wide experience speaking at international Conferences. He holds an IT engineering degree from Universitat Autònoma de Barcelona (UAB) and has an executive MBA from EADA Barcelona.

### **Conference Day One – Stream 1 – Session 2**

**Hector Avalos**

*Director Business Strategy & Programs*

**Ericsson**

Hector Avalos has 20 years of experience in the data communication industry. He currently holds the position of Director of Business Strategy and Programs within Ericsson's Product Area IP and Broadband. On the past 3 years, Hector worked within Ericsson as Dir. of Technology, Architectures and Solutions providing assistance in the design of Mobile Backhaul, xDSL/FTTx Backhaul, Metro and Packet Mobile Core solutions for wireless and wireline operators around the world.

Prior to Ericsson, Hector worked 9 years at Juniper Networks as Technical Director, where he built and managed the pre-sales engineering team in Southern Europe and the consulting engineering team in EMEA. At Juniper, Hector worked in providing network design assistance to service providers and wire-line operators deploying IP/MPLS core, metro and Multi-play networks.

Hector also worked as Network Consultant for 3Com and Proteon designing data networks for large enterprise and service providers in EMEA.



**Michael Ritter**

*Senior Director Technical Marketing*  
**ADVA Optical Networking**

As Vice President of Technical Marketing, Michael Ritter drives the vision of ADVA Optical Networking's innovative Optical+Ethernet technology portfolio into the marketplace. Recognizing current technology architectures while keeping an eye on the network trends of the future, Michael helps ADVA Optical Networking to best position the company technology and solutions for its global service provider and enterprise customers.

Michael assumed his current role after serving as Vice President, Business Management Ethernet Access, and after a long history at ADVA Optical Networking in carrier business development and technology strategy. He has a solid background in the technologies that drive the network forward.

Michael brought to ADVA Optical Networking eight years of experience working with the international service provider industry when he joined the company in August 2000. After leading a research and consulting team in telecommunications at the University of Würzburg in Germany, Michael served with Siemens Information & Communication Transport Networks as a product line manager for Synchronous Digital Hierarchy/Synchronous Optical Network (SDH/SONET) technology and then took over responsibility for strategic pricing.

Michael earned a master's degree and doctorate in computer and communications science from Bayerische Julius-Maximilians Universität Würzburg in Germany.



**Naoto Yoshimoto**

*Senior R&D Manager, Access Network Systems Lab*  
**NTT**

Naoto Yoshimoto is Senior R&D Manager at NTT Laboratories. He received B.S., M.S., and Ph.D. degrees in electronics and information engineering from Hokkaido University, Japan, in 1986, 1988, and 2003, respectively.

He joined NTT Laboratories in 1988, and engaged in the research and development of optical transmission equipment and related optical modules for broadband access systems. He is currently a senior manager of NTT Access Network Service Systems Laboratories, and is engaged in the planning and design of next-generation optical access network services and architectures mainly based on high-speed TDM-PON and cost-effective WDM technologies. In particular, he has recently been focusing on technology as regards 10G-EPON systems and their hybrid PON systems.

Dr. Yoshimoto is a member of the IEEE Communication Society and a senior member of the Institute of Electronics, Information and Communication Engineers (IEICE) of Japan. He is also a member of the technical program committee of the European Conference on Optical Communication (ECOC) during 2006-2007 and the Optical Fiber Communication (OFC) during 2009-2011, and he now serves the chair of technical sub-committee "Access Network" in OFC2012. He is also the visiting professor of Hokkaido University since last year. He was the recipient of the 1994 Young Engineer Award from the IEICE of Japan, the Best Paper Award from OECC2010, and the Best Paper Award from COIN2010.



**Josef Lorenz**

*Head of Technology*  
**Nokia Siemens Networks**

Josef Lorenz is Head of Technology for the region West and South Europe in Nokia Siemens Networks. He has worked for Siemens since 1990. Starting in R&D, Josef later held various positions in project management, technical sales support and sales. In the late 1990s, Josef was the Head of Sales for Pan European Operators. After this he moved to the USA where he was in charge for International Business Development. Josef then

spent four years in Asia/Pacific, where he was running the regional Solution Management for Siemens Communications, Fixed Networks. Prior to his current position, which he holds since November 2009, Josef was leading an Innovation Management team within the CTO organization of Nokia Siemens Networks.

Josef Lorenz holds a graduate degree (Diplom-Ingenieur) in Electrical Engineering from Technical University of Munich. He lives with his wife and two children close to Munich.



**Yacov Cazes**

*Director of Product Management and Business Development*

**RAD Data Communications**

Mr. Yacov Cazes has 20 years of experience in the telecom industry, having held various engineering and management positions in the course of his career. Presently Mr. Cazes is Director of Product Management and Business Development at RAD Data Communications. In this position Mr. Cazes is responsible for RAD's Ethernet and cellular backhaul solutions. Mr. Cazes hold a degree in computer science and philosophy from Bar Ilan University in Israel.



**Sylvain Desbureaux**

*Research Engineer*

**Orange Labs**

I've joined Orange in 2002 and I work on the Carrier Ethernet since 2003. I first was responsible for NMS validation of different Carrier Ethernet products before moving to OA&M part of the service. I'm now responsible of the project QoS for Business services which aim is to enhance the Quality of Service of our business services customers. I'm then working on the deployment of ITU-T Y.1731 and ITU-T Y.1564 in our L2VPN offers. Being head of Orange delegation at Metro Ethernet Forum, I'm also the editor of the Hierarchical Bandwidth Profile amendment at MEF.

### **Conference Day One – Stream 2 – Session 2**

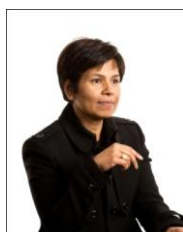


**Olaf Herr**

*Marketing Director, Metro and Transport Networks*

**JDSU**

In his role as Product Marketing Director for Metro and Transport Networks leads JDSU's global marketing activities for test and measurement solutions in this segment. Olaf brings more than 10 years of product management and product marketing experience in the Optical Networking industry in various roles. Prior to joining JDSU he was working for Alcatel Lucent in the US and in Germany, where he is currently based with JDSU.



**Tanuja Randery**

*CEO*

**MarketPrizm**

Appointed to the MarketPrizm Board in May 2011, Tanuja is the Chief Executive Officer of MarketPrizm. Prior to joining MarketPrizm, Tanuja was Managing Director of Colt's Global Business Division UK and Ireland Major Enterprise Business. Before

her Global role, Tanuja was Managing Director of Benelux for Colt Group and Managing Director of Strategy. Prior joining Colt, Tanuja was Vice President of Strategy at EMC Corporation in Massachusetts. Before EMC, Tanuja was a consultant at McKinsey & Company, the global strategy consulting firm and was elected Associate Principal in 2002.



**Andrea Heckworth**  
*Network Development & Evolution*  
**Deutsche Telekom**

Andrea Heckwolf has been working at Deutsche Telekom in Darmstadt for more than 30 years.

Within the last 10 years she worked in the area of network planning and deployment. Currently her main responsibility is the evolution and design of the Deutsche Telekom nationwide SDH Network Platform. She is in charge of techno-economic studies concerning optical networks, including IP over DWDM, OTN and Gigabit Ethernet.



**Prakash Nagpal**  
Director of Solutions Marketing  
**Actelis Networks**

Prakash Nagpal has spent more than 20 years in various marketing and engineering roles, working at companies that sell into mobile and wireline carriers which offer broadband and cloud-based services. As the Director of Solutions Marketing at Silicon Valley-based Actelis Networks, he is responsible for marketing the company's broadband solutions to service providers and enterprises worldwide.

### **Conference Day One – Stream 3 – Technology Focus Session**



**Jon Hudson**  
*Member*  
**IETF**

Joined Brocade in August 2009, and have been working in the Networking & Computer Industry for 18 years. I have held multiple roles including Network Engineer, UNIX Engineer, Support Engineer, and Data Center Architect.

In my current role I am a technical advisor to Brocade's Tier 1 customers, represent Brocade in the IETF, participate in the TRILL WG, produce drafts, white papers, guides, and technical analysis of evolving technology and use this to provide guidance to Brocade product development. As one of two at Brocade dedicated to TRILL I am responsible for teaching TRILL to employees, customers and partners. An aspect of my job I truly enjoy.

Along with three others I was granted patent GB2441278 in 2009 around Wireless Diagnostics for Optical Transceivers.

### **Conference Day Two –Plenary**



**Ian Redpath**  
*Principle Analyst*  
**Ovum**

Ian is a Principal Analyst in Ovum's Network Infrastructure practice. He is responsible for the market forecasts in Ovum's optical networks and optical components advisory services. He also is responsible for the Enterprise Ethernet service forecast. He is a speaker and a moderator at client and industry events including the IIR's Carrier Ethernet World Congress, the IIR's WDM and Next Generation Optical Networking, OFC/NFOEC conferences and the MEF's quarterly meetings. He is also on the CEWC advisory board and a judge for the MEF global service provider awards.

He also conducts custom research and consulting for clients. His clients include service providers, system vendors, components vendors and the financial/legal communities. His most recent custom research collaborations have included assessing opportunities for WDM and OTN switching in global markets, assessing opportunities to enter into non-carrier enterprise vertical markets and sizing market attractiveness for carrier entry into new global territories.

Ian has over twenty years experience in the telecom industry. Prior to joining Ovum in 2005, Ian was a Senior Analyst at RHK, where his work addressed forecasting, optical networks, optical components, and enterprise Ethernet services. Prior to RHK, he worked at the startup optical backbone vendor Corvis as Marketing Manager for major accounts. Ian started with Nortel and held system engineering and networking planning positions.

Ian received his MBA from Queen's University in Kingston, Canada and his BSc in Electrical Engineering from the University of Manitoba.



**Peter O'Donnell**  
*Head Of Transport Network design*  
**Everything Everywhere**

Peter O'Donnell is the Head of Transport Network Design for Everything Everywhere, the company formed by the merger of T-Mobile UK and Orange UK. He is responsible for the design of solutions to meet Everything Everywhere's transport network requirements, spanning mobile backhaul, core and internet-facing infrastructure. Peter has spent the last 12 years with Orange UK and latterly Everything Everywhere, where he has gained extensive experience in transport and mobile data solutions.



**Wolfgang Hemetzberger**  
*Head of transport and packet network*  
**A1 Telekom Austria**

Wolfgang Hemetzberger joined A1 Telekom Austria more than 30 years ago. He worked in different positions in operation and network engineering as well as network planning, where he was responsible for the Transmission planning department. Currently he is head of the Network Planning Transport & Packet Network department. His department is responsible for the operational life cycle of the Transport & Packet infrastructure of A1 Telekom Austria. The competence starts with development and technical tests continuing with planning and engineering and ends at the phase out tasks. His current focus area is the fusion of the fixed and the mobile transport network.

He holds an Electronics Engineer degree form the University of Applied Sciences - Campus Vienna.



**Ilya Makinetsky**  
*Chief Engineer Operational Planning*  
**Megafon**

Ilya Kaminetsky is a head of transmission planning group at North-West branch of OJSC "MegaFon", the one of the biggest mobile and fixed operator in Russia. Before his 4 years at MegaFon, Ilya worked for TranTeleCom company and complete his PhD at the The Bonch-Bruевич Saint-Petersburg State University of

Telecommunication (Russia) in the area of reliability systems and survivability mechanisms for SDH&DWDM network.

He is a telecom professional with a proven track record in Transport Networks. He has extensive experience in the design, implementation and maintenance of major telecommunications and data networks. Ilya`s expertise is focused squarely on optical network equipment, optical networks and its optimization, optical services, including SDH, PTN, DWDM, packet transport.

Ilya leads a team which responsible for the strategy of transport network development for mobile and fixed business, as well as transport network design and analysis. Team`s current focus area is to plan, implement and optimize a flexible, scalable and cost effective transport network infrastructure to cater for the upcoming boom of Data traffic driven from the mobile and fixed market explosion.



**John Hoffman**  
*Head of Ethernet Product management*  
**Tata Communications**

John Hoffman is the Head of Ethernet Product Management for Tata Communications which is part of the \$55 billion Tata Group in India. He is responsible for the Company's Global WAN Ethernet Portfolio and supports sales efforts to both the carrier and enterprise markets. John Hoffman has been involved with the WAN Ethernet

Portfolio since its inception at Tata Communications and helped Tata Communications to become a leading provider of Ethernet Services within India and globally.

Prior to joining Tata Communications, Mr. Hoffman was Product Manager, Ethernet Services for Tyco Global Network, which was acquired by Tata Communications in July 2005. He was responsible for the introduction of Ethernet services.

Mr. Hoffman joined Tyco in 1997 and held various management positions in sales and marketing and purchasing prior to his appointment to Ethernet Product Manager in 2004. He has 12 years of management experience in the field of international telecommunications.

Mr. Hoffman earned his Masters in Business Administration from Seton Hall University and a Bachelor of Science degree in Management, Accounting & Finance from Babson College in Wellesley, Massachusetts.



**Luc Cuppens**  
*International technology Executive*  
**Juniper networks**

Luc Ceuppens is responsible for product marketing, technical marketing and competitive intelligence for the Platform Systems Division at Juniper Networks. With more than 25 years of international experience in sales and marketing of high-tech products and services, Mr. Ceuppens has a proven track record in defining, marketing

and executing product strategies and business partnerships in highly-competitive markets. He joined Juniper in January 2008 after holding senior positions with Solectron Corp, StrataLight Communications, Calient Networks, Level 3 Communications and WorldCom (MFS/UUNET).



**Eylon Sorek**  
**Orckit Corrigent**

Mr. Eylon Sorek serves as AVP Marketing at Orckit-Corrigent since 2008 and is responsible for strategic and product marketing, outbound marketing and marcom. Prior to Orckit-Corrigent, Eylon served as the strategy and portfolio manager of carrier switches business line at Nokia Siemens Networks. Eylon's 10+ years of experience in the telecommunication industry also include product marketing position at Seabridge Networks and hardware engineering position at Cisco Systems. Eylon is holding B.Sc. in communication systems engineering and an MBA-Financing from Ben-Gurion University in Israel.



**Oren Marmur**  
Head of the Optical Networking Line of Business  
**ECI Telecom**

In his current role, Oren has end-to-end responsibility for all strategy, business, product management, development and sales support activities related to ECI's optical networking and carrier Ethernet switching and routing solutions. He has been responsible for optical networking since November 2007 and for the carrier Ethernet switching and routing platforms and solutions since July 2010. Oren has over 17 years of experience in the telecoms and optical industries. Prior to ECI, Oren was the founder of FlexLight Networks, a venture capital-backed startup company that pioneered the GPON market. He has also held several technical positions in the defence and telecoms markets.

**Vladimir A Korsakov**

Chief of Transport Network Planning Group  
**Megafon**

Developing IP-MPLS/MPLS-TP/DWDM transport network for different task

Cellular operator (packet mobile backhaul)

Internet Service Provider/Network Service Provider

Budgeting and strategic planning of transport network

At this position - development of IP/MPLS and MPLS-TP/DWDM network infrastructure. Planning and implementing technical solution to existent network. Designing IP/MPLS network architecture for new tasks and services. Lead for the network re-architecture efforts to facilitate better product delivery to customers.

PROJECTS HAVE INCLUDED:

- Cisco RnD USA, San Jose. Lab testing to ensure that the Cisco ASR 900x IP/MPLS switching used were compatible with all current supported network equipment. Responsible for identifying a number of bug fixes in vendors functionality.
- Cisco RnD Sidney, Australia. Development and introduction of a centralized corporate MPLS VPN L2/L3 solution based on CRS-1/3 to be resold to clients. Implementation of the infrastructure to create a single super NOC to monitor federal internet peering points.
- At Huawei RnD ShenZhen, China. Designing IP/MPLS network architecture for scalable InterNet, VPN L2/L3, ATOM services.

**Conference Day Two – Stream 1 – Session 3**



**Chiara Moriondo**

*Senior Engineer, Fixed Access Broadband*  
**Telecom Italia**

Chiara Moriondo received her MSc in Electronic Engineering at Politecnico di Torino and joined Telecom Italia in 2001.

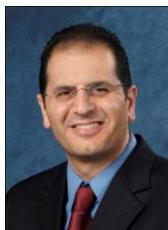
Since the beginning, she was part of the Research and Development group based in Turin. She has been involved in the evolution of the domestic IP/MPLS Backbone for several years. Starting from 2006, she has been responsible for International projects for the evolution of the Edge, Metro and Backbone segments of the TI subsidiaries in Europe and South America. In 2010, she contributed to the definition of the mobile backhauling network Master Plan 2011-2015 for an Indonesian's operator.



**William Wedge**

*Principal Designer Network Strategy, Architecture Design & Enablers*  
**Everything Everywhere**

William joined Orange UK five years ago, prior to the merger with T-Mobile UK to form Everything Everywhere. William is a Principal Designer in the Transport Network Design team. William has been involved in strategy & design for L1, L2 & IP/MPLS transport in fixed & mobile backhaul, backbone & peering, and is now involved in mobile services & security infrastructure, looking up the layers. This includes failure detection, protection, and OAM mechanisms; especially where 3rd party leased line services are used. Prior to joining Orange/E.E., William was a Distinguished Member of Consulting Staff at Lucent Technologies, where he worked with fixed and mobile operators across Europe on IP, MPLS, & ATM architecture and design. Prior to moving to the UK, William worked for the US Department of Defense in communications systems development. William has a Bachelor of Science degree in Computer Engineering and Mathematics from Clemson University, South Carolina, USA.



**Ronen Guri**

*Director Wholesale, Mobile Backhaul & Application Awareness*  
**RAD Data Communications**

Ronen Guri is Director of Product Management and Business Development for Mobile Backhaul Solutions. In this capacity, he is responsible for directing the company's strategy, product portfolio and business development in the field of Mobile backhaul.

Mr. Guri holds B.Sc. degree in Computer Science from Ben-Gurion University and an MBA from Tel-Aviv University.



**Volker Schery**

*Marketing Solution Manager for Mobile Backhaul Networks and Fixed Mobile Convergence*

**Huawei Technologies**

Volker Schery started his career in the Telecommunication Industry in 1999 in Nortel Networks. From 1999 on he worked as Pre-Sales Engineer and Customer Prime for enterprise data networks. He was responsible for the technical concepts and

evolution of local area networks. In 2003 he became a Technical Consultant for Mobil Backhaul Networks. He worked closely together with Mobil Providers and R&D to develop Mobil Backhaul specific transport solutions.

Volker Schery has been working as Marketing Solution Manager for Mobil Backhaul Networks and Fixed Mobil Convergence for Huawei Technologies Duesseldorf GmbH since 10/2009.



**Joachim Buerkle**

*Solution Manager Transport Networks and Mobile Backhaul*  
**Ericsson**

Mr. Buerkle works as Solution Manager Transport Networks and Mobile Backhaul at Ericsson with focus on Mobile Backhaul, Metro, and Fix-Mobile-Convergence Transport Solutions across the Western and Central European Region. From 1996 to 2000 he was a system engineer at Bosch Telecom/Marconi in Germany and the United States, in the area of SS7 voice switching, ATM and IP broadband access systems (PON, AON) and point-to-multipoint microwave systems. From 2000 to 2009 he has been a consultant and manager of market development at Nortel, in the area of wireline data networks (including ATM, Frame Relay, IP, MPLS, and Ethernet) for wireless operators in EMEA. He also was an editor/co-editor of several request for comments (RFCs) in the IETF, and is actively contributing to the Metro Ethernet Forum (MEF). He received a master's degree in computer science from University Karlsruhe (TH) in Germany in 1995.



**Stuart Borgman**

*CTO*  
**MLL Telecom**

Stuart is the Chief Technology Officer for MLL Telecom who provide fixed and wireless fully managed networks. Stuart is responsible for all of MLL Telecom's technology innovations as well as delivering the very best network architectures and designs for its customers. Before joining MLL Telecom, Stuart spent nearly 10 years working at Juniper Networks where his final role was Technical Director for Northern Europe. Prior to that he held technology leadership roles at Cisco Systems and StrataCom, as well as having responsibility for Shell's UK network architecture.



**Gary Fieldhouse**

*Business Development Manager*  
**Transition Networks**

Prior to joining the Transition Networks team in May of this year, Gary worked in the networking and telecommunications industry for over two decades. Throughout his career he has been involved in scoping, delivering and testing some of the world's largest networks, as well as, some "world firsts" in delivering products to end users, from carrier networks.

For Transition Networks, Gary works to develop the route from the technical and commercial perspective into the Telco, ISP and Mobile and carrier markets across Europe, the Middle East and Africa (EMEA). While maintaining expert level knowledge in the field, Gary works with the Transition Networks' sales team to develop new and existing markets and works alongside customers and partners on new product developments and initiatives.



**Shahar Peleg**  
Director of Product Marketing  
**Siklu**

Mr. Shahar Peleg joined Siklu in 2008 and is responsible for product management. In this position, Shahar leads the company's products definition. Prior to joining Siklu, Shahar worked with SolarEdge Technologies a company in the field of renewable energy. Overall, Mr. Peleg has wide-ranging experience in product management with over 10 years in the telecommunications industry involved in the definition, design and development of highly reliable, state-of-the-art wireless and telecommunications systems. Mr. Peleg holds B.Sc. Electrical Engineering from Holon Institute of Technology, Israel and an M.A. in Law Studies from Bar-Ilan University, Israel.

**Conference Day Two – Stream 2 – Session 3**



**Rick Dodd**  
*Senior VP*  
**Ciena**

Rick Dodd is currently Senior Vice President, Global Marketing for Ciena Corporation. In this role, he is responsible for the field, product, solutions and corporate marketing organizations and provides strategic support to Ciena's global field operations and global products group.

Before rejoining Ciena in December 2010, Mr. Dodd served as both Vice President of Corporate Marketing and earlier as Vice President of Product Marketing for Infinera. Prior to Infinera, he was an Associate Partner at venture capital firm Kleiner, Perkins, Caufield and Byers, where he was focused on networking and semiconductor startups and played a key role in KPCB's founding investment in Infinera. Earlier, Mr. Dodd was Director of Strategic Marketing at Ciena, which he joined through the company's acquisition of Lightera Networks, where he served as Director of Product Management. At the start of his career, he was in product management at Cisco Systems and held engineering and sales roles at WilTel.

Mr. Dodd holds a B.S. in Electrical Engineering from Brown University and a M.B.A. from Stanford Graduate School of Business.



**Richa Malhotra**  
*Network Architect, Dept Network Services*  
**SURFnet**

Richa Malhotra is a Network Architect within the Network Services Department at SURFnet, which is the Dutch Research and Education Network. At SURFnet she is actively involved in the testing, design, implementation and roll-out of the next generation SURFnet network (SURFnet7) which will introduce a completely new Carrier

Ethernet transport layer. Furthermore, her responsibilities include establishing, coordinating and supervising network research activities with external partners of SURFnet.

Prior to joining SURFnet, she worked as a member of technical staff at Bell Labs, Lucent Technologies and later Alcatel-Lucent. She has several years of experience in design and analysis of communication protocols for both wired and wireless networks specializing in QoS and routing algorithms. She is the author of several scientific publications and patents on this subject.

Richa Malhotra holds a Bachelor's degree in Mathematics from the Indian Institute of Technology Kharagpur, India and a Masters degree (Mathematics) and PhD from the University of Twente in the Netherlands.



**Justin Fielder**  
**Easynet**

Justin is responsible for strategic direction, product portfolio, professional services and engineering functions at Easynet. Justin initially joined Easynet in 1997 to provide strategy and direction across the company's service offerings. After the acquisition of Easynet by BSkyB in 2006 Justin became Director of Sky Network Services, responsible for the rollout and operation of the network and Local Loop Unbundling assets that provide the infrastructure for Sky Broadband. Justin then become Director of Research Development and Customer Technology for two years and rejoined Easynet in July 2009 in the new role of Chief Planning and Technology Officer.

Prior to his 12 years at Easynet, Justin worked within the embryonic Internet industry for many years. He graduated with an upper class BEng in Electrical and Electronic Engineering from Brunel University.



**Marcin Kotlarski**  
*Head of Project Management*  
**GTS**

Marcin Kotlarski was appointed Head of Product Management in May 2009. During his 10 year career he has worked in several positions in the telecommunication industry. He is associated with GTS Poland (formerly Energis) since 2003. Previously he worked on the positions of Senior Product Manager, then Product Development Director and Marketing Director for GTS Energis. He was responsible for implementation of a range of services to business customers, including voice, layer 3 data services, value-added service and Ethernet portfolio over last year.

Marcin Kotlarski graduated from Faculty of Electronics and Information Technology from the Warsaw University of Technology. He also completed MBA studies conducted by the University of Warsaw in cooperation with the University of Illinois.

### **Conference Day Two – Stream 1 – Session 4**



**Abel Tong**  
*VP, Marketing*  
**Omnitron Systems**

Abel Tong brings over 15 years of networking and telecommunications systems experience to Omnitron Systems, where he oversees the strategic direction and product development for the telecom, enterprise and utility markets. Prior to joining Omnitron, Mr. Tong has held key marketing and engineering roles at Positron Access Solutions, Aktino, Calix and Pairgain. He participates in several Metro Ethernet Forum technical committees, and holds an MSEE degree from University of Southern California and a BSEE degree from Massachusetts Institute of Technology.



**Nir Daube**  
**Telco Systems**

As vice president of product management for Telco Systems, Nir Daube is responsible for the strategic planning and development of new IP products as well as enhancements to the Company's current IP product line. He previously served as product line manager for the T-Metro product line and guided the development of the newest member of the T-Metro family, the recently introduced T-Metro 7224.

Nir joined Telco Systems in 2004.

### **Walter Miron**

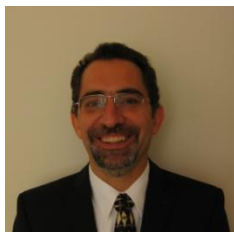
Director, IP / Optical Standards and Service Development

#### **TELUS Technology Strategy**

Reporting to the Vice President of Technology Delivery as the Director of Technology Strategy, IP/MPLS and Optical standards, Walter Miron leads a team of Engineers responsible for developing strategies that lever technology to better serve our residential and enterprise customers. Working closely with marketing, Walter and his team call on their experience in the development and introduction of new technologies to provide stewardship on our business services and data networks technology roadmaps.

Since Joining TELUS in 1997, Walter has served in increasingly senior roles in Operations, Fulfillment, Planning, and Service Development. In the late 90's and early 2000's Walter developed and led teams through the expansion of service into Central and Eastern Canada. He has participated in Merger and Acquisition activities, corporate development projects, and cross-functional teams designed to rapidly expand TELUS' reach and market share. Most recently, Walter developed and primed a process to provide customized services to our top tier enterprise customers. Walter frequently represents TELUS in external speaking engagements with our Enterprise customers, at industry conferences, and in working groups.

Walter has 20 years of experience in telecommunications, having worked in Enterprise networking in the retail, public sector, non-profit, and more recently service provider sectors. Prior to joining TELUS, Walter designed networks for large enterprises and service providers in Canada and the US, and consulted on Network availability, redundancy, and quality assurance issues.



### **Murat Bilgic**

Director of Wireless Technology

#### **EXFO**

Murat is a wireless communications industry executive with over 18 years of experience of building data transport networks, achieving dramatic cost reductions and leading large teams.

He joined EXFO Europe as the Director of Wireless Technology within the CTO Office in August 2011 and he is based in the UK. His role is to advise EXFO Sales and Product teams and help formulating EXFO's strategy in providing solutions to wireless service providers and equipment manufacturers.

Between September 2010 and July 2011, Murat led his wireless consulting company, Wirelesse2e LLC where he advised start-up companies, semiconductor manufacturers and wireless infrastructure companies. Until June 2010, Murat was the Director of Data Systems and Services Engineering at T-Mobile USA where he has driven network consolidation using an all-IP network, achieved dramatic scale of cost reduction in unit costs while handling traffic growth figures over 400% year-to-year. He has managed budgets over \$100M/year while growing an all-IP network with 120 sites, 6 Data Centers, over 30000 network elements. In the same role, Murat was responsible for the transformation of T-Mobile's handset portal, launch of first direct carrier billing for Android marketplace and in-service integration of packet core supporting world's first Android handset (G1). Earlier in his career with T-Mobile, Murat spearheaded the design and deployment of T-Mobile USA Hotspot network. In the late 1990s he participated in GPRS standardization efforts that resulted in QoS standard upgrades.

Between 1995 and 2000, Murat worked as a Systems Engineer for Omnipoint Technologies covering PCS standardization, wireless local loop and wide area packet networks. His research activities at Omnipoint Technologies resulted in 11 US patents.

Murat started his carrier in Netas (Nortel joint-venture) in Istanbul, Turkey. During his two years with Netas, he contributed to the design and deployment of national ISUP in Turkey.



**Juan Prieto**  
Product Marketing Manager  
**InfoVista**

Juan Prieto is a Product Marketing Manager at InfoVista. As a Chief Evangelist, he is responsible for defining innovative Service Assurance solutions for Mobile Network Operators (MNOs) globally.

For the last eight years, Juan has helped to shape a variety of Telecommunication Solutions across a wide spectrum of Mobile Communication domains including NGN Testing, OSS, BSS, Revenue Assurance and Risk Management. In his career, Juan has had direct experience collaborating with and supporting many of the top Network Operators including Telefonica, Vodafone Group, France Telecom/Orange, QTEL International, Cable & Wireless, Hutchinson Group, and Telstra.

Originally from Venezuela, Juan currently resides in the UK. He holds a BSc in Electronics Engineering and Master's Degree in Telecommunications Technologies from Aston University.



**Bart Oskam**  
*CEO*  
**EuroFiber**

Bart has joined Eurofiber in 2007 as Managing Director to help transform the company from a mainly dark fiber provider to a wholesale Ethernet carrier for the business market, together with his co-director Alex Goldblum. Under their leadership, the company has developed its network footprint from 7000 to

12000 km's. With more than 4000 business locations on net, Eurofiber is now the largest business fiber provider in the Netherlands next to KPN.

Bart holds a Master's degree in Business Administration and has worked in telecoms since 1993 in several managerial and operational roles. Prior to Eurofiber, Bart was CIO/CTO at Tiscali Netherlands. A preliminary warning to all hard-core Ethernet experts present: Bart's presentation will not be about Ethernet!. He will be addressing today's business and market challenges, explaining how Ethernet is one of many enablers for the Eurofiber wholesale business model.



**Zeev Draer**  
*VP Strategic Marketing*  
**MRV**

Prior to his role as vice president of strategic marketing, Draer served as vice president and product line manager for MRV International Carrier Ethernet Division. In this position, he was responsible for leading and promoting MRV's flagship Carrier Ethernet product lines in the Metro Ethernet access market.

Draer is a member of the Metro Ethernet Forum and is active in making technology outlook presentations at industry seminars, conferences and tradeshow. Draer has more than 20 years of experience in the telecommunications industry.



**Paul Van Hoogmoed**  
*Head of OSS Projects*  
**KPN**

I joined KPN in 1991. Since then I've held several operational management positions in IT and Business departments. From 2000 till 2005 I was responsible for the North East Regional department of the Netherlands that provided and maintained SDH, Ethernet and Leased Line services for the core KPN network as well as for wholesale and retail customers.

Since 2006 I've held operational management positions in the IT department of KPN and have been responsible for managing several OSS applications, with a focus on both innovation and maintenance. At the moment I'm responsible for the department that maintains the Provisioning systems of KPN (homegrown legacy and universal off the shelf systems). The maintenance supply activities are taken care of by several partners, most of them with offshore facilities. These systems support the fulfillment processes of copper, fiber, pstrn/isdn, xdsl, IP and Ethernet services, for both retail and wholesale customers of KPN.

### **Conference Day Two - Transport Network Strategies**



**Nicolai Leyman**  
*Chief Architect IP based Networks*  
**Deutsche Telekom**

Nicolai Leymann is working in his 13th year for Deutsche Telekom as a lead architect for IP based networks.

His major focus is the network and service architecture of the upcoming Next Generation Network of Deutsche Telekom. His work includes the integration of technologies - eg. IP-Multicast, VPLS etc. - in MPLS networks and VPN scenarios. Mr. Leymann is responsible for the "Seamless MPLS" architecture and the architecture of the wholesale services for Triple Play on top of MPLS.

He is active in the IETF, working on the coordination of standardization activities related to IPTV within Deutsche Telekom and is board member of the OpenIPTV Forum.



**Federico Morabito**  
*Network Engineer*  
**Telecom Italia**

9+ years of experience in Telecom Italia across a range of operational areas including research and innovation, project management of ICT projects, applications & services development, transport network engineering. From 2006 to the present, Dr Morabito is a network engineer at Tilab department where is currently focused on Packet Transport technologies. He is engaged in different tasks: scouting and engineering of new transport technologies (T-MPLS, MPLS-TP), introduction of innovative solutions in metro-regional packet-based transport networks, engineering of transport network platform and technologies (SDH, OTN, WDM, ROADM). Dr Morabito got the Phd qualification in computer science and control systems engineering focused on innovative algorithms and architectures for advanced content based routing. He is author/coauthor of more than 40 articles.



**Rob Adams**  
*VP Marketing and PLM*  
**Ekinops**

Rob Adams has more than 20 years senior level product management experience in the IT and telecommunications industries. Rob worked with companies such as IBM, Cisco, and Ciena. Before recently joining Ekinops, he spent 10 years at Ciena Corporation, where in his most recent role, as vice president of product management he was responsible for product line management for Ciena's entire product portfolio. His tenure at Ciena also included various product marketing roles. He also spent 10 years at IBM in various marketing and product development management roles.



**David Green**  
*Senior Product manager*  
**Virgin Media**

David is a member of the point-to-point product management team for Virgin Media Business. In his role as Senior Product Manager, High Capacity Services, David is responsible for life-cycle management the Wave Division Multiplexing (WDM) product portfolio, which includes: Dedicated High Capacity Services; National High Capacity Service and Optical Backhaul. Before joining Virgin Media Business, David managed product portfolios for BT Wholesale and Cable & Wireless, specialising in both leased-line technologies and broadband access. He has worked in telecoms throughout his career, in such areas as military communications, network security and service management. Currently, David is focused on the Product Marketing strategies and evolving the product propositions for the public sector, wholesale markets, resellers, systems integrator and business sectors.



**Dr Drissa Houatra**  
*research Scientist - Engineer*  
**Orange Labs Networks and Carriers**

Drissa Houatra is a distributed systems and networking researcher working at Orange Labs, Paris (Issy), France. He received a Ph.D. in computer science (parallel and distributed systems) from the National Polytechnic Institute of Toulouse (INPT), France, in 1994. He has been involved in various research topics since 1996, including distributed objects for real-time multimedia, distributed virtual environments, programmable networks and policy-based management, autonomic computer grids and resource virtualisation, cloud networks and the evolution of telecom datacenters to support cloud services. He has started working on cloud computing in January 2009. He was the leader of the Eurescom P1951 study (March 2009 – February 2010): Networks for cloud computing and SaaS: strengths, weakness, and opportunities for operators. He has co-authored more than 60 scientific and technical publications.



**Matthias Fricke**  
*Network Development and Evolution*  
**Deutsche Telekom**

Matthias Fricke has been working at Deutsche Telekom in Darmstadt for more than 15 years in the area of "Network development and evolution". Currently his main responsibility is the evolution and design of the Deutsche Telekom's

nationwide packet based transport. He is in charge of techno-economics studies concerning Packet-optical transport systems.

### **Conference Day Three – CEWC Plenary**



**Stefan Stanislawski**

*Partner*

**Venture Team**

Stefan has wide ranging experience of fibre access, mobile and cable TV strategy, financing (investment banking), valuation and economics. This includes working on a number of M&A deals and spectrum auctions. He also has a long track record in the economics of telecom regulation having (in 1993) initiated local loop unbundling in Europe.

Operationally he has been on the Board of various telecom companies, has run a niche voice service provider and was Head of New Licences at NMT.

His current focus is on fibre access building on experience in the most mature and competitive FTTH market in Europe, Sweden. Current projects include the economic optimisation of a multi-million home FTTH programme in EMEA and the design of and case for a full national migration by a small European incumbent.



**Jorn Martin Stuen Slatten**

*Marketing Manager*

**Broadnet**

I Joined Broadnet in 2001. I previously have held positions in the Broadnet as Product marketing manager, Sales manager, Product manager and Project manager

I am now responsible for positioning Broadnet as the leading carrier Ethernet operator in Norway. This includes an extensive marketing plan/strategy of educating and opening up markets in Norway. It also includes positioning Broadnet as an International Carrier Ethernet operator for deliveries both in and out of Norway.



**Mazen Hayek**

*Group Director of PR & Commercial*

**MBC Group**

Mazen HAYEK joined MBC Group in October 2006. HAYEK's role as MBC Group's Official Spokesman is coupled with PR & Commercial responsibilities with the objective to nurture mutually beneficial relationships with key stakeholders, namely the Press/Media, Sr. Government officials, Top business decision-makers, Advertisers/Clients, Media Buying Units/Ad/PR Agencies, Suppliers and End-consumers.

Today, MBC Group consists of MBC1 (General Entertainment Channel), MBC2 & MBC MAX (24-hour Movie Channels), MBC3 (Children's Entertainment), MBC4 (World Family Entertainment), MBC ACTION (Action Programs, Series and Movies), Al Arabiya (the 24-hour Arabic language News Channel), MBC Persia (24-hour Movie Channel Subtitled in Farsi), MBC Drama & MBC+ Drama (Pay-TV on Orbit Showtime Network). In addition, MBC Group offers Online portals [www.mbc.net](http://www.mbc.net) [www.alarabiya.net](http://www.alarabiya.net), Video-On-demand, Push/Web TV and other New Media offerings; it also owns two Radio stations in Saudi Arabia: MBC FM (Gulf Music) & Panorama FM (Contemporary Arabic Hit Music); a weekly entertainment magazine Haya MBC; and O3 Productions.

Prior to joining MBC Group, HAYEK was the Managing Director of Manning Selvage & Lee Public Relations ("MS&L/Dubai"), an entity of the Leo Burnett Group MENA (part of "Publicis Groupe"). During his tenure, HAYEK oversaw the Agency's delivery of PR counsel to a wide range of industry-leading clients and led MS&L's regional office, overseeing a strong team of PR consultants. Holder of a Bachelor of Arts (BA) degree in Political Science and Public Administration from the Université Saint-Joseph (USJ), Beirut-Lebanon, HAYEK is also a former Master of Arts (MA) student in Political Studies at the American University of Beirut (AUB).



**Toby Williams**  
*Product Manager*  
**Cable & Wireless**

Toby Williams joined Cable & Wireless in 2004 and managed their IPVPN product for five years, leading the product's transition to CWW's NGN and managing a CAGR of 30% for revenue over that period. Since then he has taken on the wider international data portfolio and in this time has launched international EPL, EVPL and EVLAN products, alongside continued expansion of the global NGN footprint.



**Joel Stradling**  
*Principal Analyst, Business Network & IT Services*  
**Current Analysis**

Joel Stradling has been with Current Analysis for ten years and has 20 years of experience in the high-tech industry. As Principal Analyst in the Business Network and IT Services team, his coverage area includes global providers of fixed-line enterprise voice and data network, and international wholesale carrier-to-carrier services. Joel focuses on managed WAN solutions, including Ethernet and IP VPN, and on service innovation in the wholesale space. Joel is a well known and highly regarded speaker at major conferences, and is read and regularly quoted by telecom industry media. Joel received his B.Sc. in Design & Technology from Loughborough University of Technology in England in 1992.



**Adam Janota**  
*Director-Networks, EMEA*  
**Equinix**

Having joined Equinix in 2009, Adam Janota has focussed on the development of the Networks business in Europe. With his expertise, Mr Janota has helped define the strategy for connectivity services within Equinix IBX data centers and has been the lead on the Equinix Carrier Ethernet Exchange program in Europe, from concept trials through to deployment.

Mr Janota joined Equinix from Reliance Globalcom, the international telecommunications arm of Reliance Communications, where, as General Manager for the International Business unit, he was responsible for international business development, strategy and revenue. Prior to this Mr Janota also held roles at Confere.net Corporation, EXARIO Networks Corporation and POLO Ralph Lauren Corporation.

Mr Janota holds a Bachelor's in ceramic engineering and materials science, earned at Alfred University, NY.



**Artur Ostrowski**

*SVP, Head of International Services*

**GTS**

Artur Ostrowski was appointed Senior Vice President & Head of International Services in January 2009. He joined the GTS Group from TeliaSonera International Carrier, where he had been working since 2000 on a number of sales positions in various European countries. In 2007 he moved back to Poland to take over responsibility for international carrier operations of TeliaSonera in the region of CEE and Asia. He holds a master's degree in Management from Warsaw University, and later obtained an MBA from Warsaw University of Technology.



**Ivan Soldo**

*VP Sales & Marketing*

**New Telco**

Ivan Soldo is appointed VP Global Sales and Marketing of NewTelco in December 2010. Prior to that he held several managerial positions within NewTelco Group which he joined in June 2009 as Sales Director Europe & Americas. In the Group he developed a specific expertise in the Telecom industrie, with significant exposure to international markets. Ivan has more than 15 years' experience in telecommunications and IT.



**Brett Johnson**

*VP Business Development*

**Abovenet**

I joined AboveNet in 2002 as head of sales for the UK, in 2009 I took the role VP Business Development so I could concentrate on network expansion, extending our network to Paris, Frankfurt and Amsterdam. I also head the strategy for new products and vertical sectors.

In his current role Brett is responsible for identifying new markets and spearheading the expansion of AboveNet into Europe.

### **Conference Day Three – Transport Network Strategies**

**Andy Jones**

*Director*

**Jonesthefone consulting**

Andy Jones founded jonesthefone consulting in September 2009 after a 20-year career with Vodafone. Andy's business is based in the UK and serves an international client-base including network operators, network equipment providers and investors. At Vodafone, Andy led strategy and architecture teams, serving as Technical Design Authority for the UK Network Simplification Programme, and as Global Head of Transport Networks he conceived and led the Converged Packet Network, Backhaul Evolution and Backbone Network Scalability programmes, each of which culminated in major RFPs for network equipment vendor selection across Vodafone's global markets. At jonesthefone consulting, Andy offers his clients a customer chooser's perspective, helping clients to gain a deep understanding of the nascent requirements and real priorities of the Mobile Network Operator as a customer. Andy enjoys bringing disruptive architecture to market and is currently

working with clients on network innovation to assure sustainable mobile network profitability, including: smart backhaul, end-to-end traffic management and mobile content delivery.

**Yoshinori Koike**

*Research Engineer*

**NTT Labs**

Research Engineer, First Promotion Project, Network Service Systems Laboratories.

He joined NTT Network Service Systems Laboratories in 2000. Since 2000 he has been engaging in research and development of optical transmission systems, such as SDH, WDM, OXC and so on. Since 2003, he has actively participated in ITU-T SG15 on SDH, OTN, ASON, synchronization and packet transport technology. Since 2009, he has also participated in IETF. He is currently a Rapporteur for Question 3 (General characteristics of optical transport networks) of ITU-T SG15. He is a member of the Institute of Electronics, Information and Communication Engineers (IEICE) of Japan.



**Ralf-Peter Braun**

Senior Product Manager

**Deutsche Telekom**

Dr. Ralf-Peter Braun is Senior Project Manager at Deutsche Telekom AG, Laboratories, leading R&D projects for next generation networks.

He received his MS and PhD in Electrical Engineering from the Technical University Berlin, Germany, in 1985 and 1995, respectively. He has more than 20 years of research and industry experience on optical transmission systems and network architectures. After 14 years of advanced research work at the Heinrich-Hertz-Institut, Berlin, Germany, he joined the Deutsche Telekom AG in 1997. He is engaged in the topics of network architecture, technology, service, control, and standardization. He is a member of VDE, ITG, IEEE802.3 working group, and MEF.



**Huub Van Helvort**

*Standardisation Expert*

**ITU**

MSEE Eindhoven University of Technology (1977), Senior Member IEEE (2003).

Since 1990 designer and architect of SDH, OTN and PTN networks / equipment / devices. Worked at Philips Telecom, AT&T, Lucent, TranSwitch, and since 02/2005 Senior System Architect at Huawei Technologies

Contributes since 1998 to telecom standards. Expert in functional modelling, fault management and diagnostics. Co-editor of ITU-T Recommendations for equipment specification, protection, performance monitoring.

ITU-T Study Group15 rapporteur of Q10: "OAM for Transport Networks".

Actively participates in the development of MPLS-TP in ITU-T and IETF since day one (2006) and is co-editor of several IETF RFCs.

Co-author of ITU-T handbook: "Optical Transport Networks; from TDM to Packet".

Author of books on functional modelling; J. Wiley/IEEE-press. See also: [www.van-helvoort.eu](http://www.van-helvoort.eu)



**Torsten Muth**

*Technology Manager Next Generation Transmission Technology*

**OIF**

Torsten Wuth is currently technology manager at Nokia Siemens Networks, focusing on next generation transmission technologies. Dr. Wuth joined Nokia Siemens Networks in 2009. Prior to Nokia Siemens Networks he worked at Siemens, CoreOptics, TU Chalmers and the University of Kiel. He received a diploma degree in electrical engineering from the Technical University of Dortmund and a doctoral degree from the University of Kiel. Since 2008 he chairs the Physical Layer User Working Group (PLUG) of the OIF and is a member of the board of directors of the OIF.



**Marcel Rijnders**

*Director EMEA Managed Services*

**Verizon Business**

Marcel Rijnders is the EMEA Director of Managed Networks and Services at Verizon, where he is responsible for the operations management of large customer networks and services deployed on Verizon's global MPLS network. Previous positions and activities include heading the design and architecture of Verizon's European backbone, metro and access transport networks, the introduction of carrier Ethernet interconnects (Ethernet-NNI) and the evolution development towards Verizon's Converged Packet Access architecture. Before his 13 years at Verizon, Marcel worked for KPN Research and completed his PhD at the University of Twente (Enschede, the Netherlands) in the area of optical communications and signal processing.

**Per Larson**

*Senior network Architect*

**TDC**

Join the Company 2001, and hold a position as senior network architect at TDC Capacity & planning department, with focus on optical & transmission, mainly DWDM and SDH platforms. Per starting working with network communication systems in mid 80's, Planning, building and network operation/management was the main topics. Since 1997 the focus is on optical & transmission platforms as DWDM and SDH. Development, planning, network operation/management and cost analysis is the main topics in both international and regional areas.

### **Conference Day Three – Stream 1 – Session 5**



**Manish Gupta**

*VP Marketing*

**Symmetricom**

Manish Gupta is Vice President of Marketing and Business Development for the Communications Business Unit at Symmetricom®. He has over 20 years of experience in global Communications field including WiMAX, 3G, Satellite, DSL and Cable. Prior to joining Symmetricom, Manish worked for large companies like Apple & National Semiconductor and multiple venture backed companies where he raised over \$100M in funding from tier 1 VCs and orchestrated successful exits. Manish has held executive positions in product management, outbound marketing, business

development and sales and has worked in all parts of the communications value chain from semiconductors to base stations to consumer, enterprise and interactive online services. He has a BSEE and MSEE from Georgia Institute of Technology and MBA from Santa Clara University.



**Wiljan VanDelst**

*Director-Field Operations, Benelux, Nordics & Southern Europe*  
**Verizon**

Wiljan has a Masters of Business Administration from Tilburg University and was in several finance and marketing jobs in Dutch PTT/ KPN before he joined MFS in 1997, the first alternative facilities based network in the Netherlands as Carrier manager supporting new interconnects in Europe. In most of the intervening years Wiljan has operated within carrier management/ local planning/ service delivery and operations jobs in many European markets where he gained a deep and wide knowledge of the European telecom markets and processes. The Network Operations team Wiljan leads is responsible for Network Field Operation in France, Italy, Spain, Sweden, Netherlands, Belgium, Luxembourg, Portugal, Norway, Denmark, Finland and the Baltic's. The team also manages local access provisioning, local access planning and in-country carrier relationships in these countries. At last count the team works closely with 15 PTTs and over 100 other local exchange carriers to provide high quality access services to our global network capabilities. Wiljan is based at Verizon's office in Amsterdam, the Netherlands.



**Karl Ternes**

*Head of Transport Solutions*  
**Deutsche Telekom ICSS**

Karl has been a part of Deutsche Telekom ICSS since 2001 and is currently in charge of ICSS's International Transport product portfolio, which is evolving towards Ethernet-type services and CDN activities.

He initially joined Deutsche Telekom in the 1990s and worked in the sales department for corporate business. Later Karl took over the responsibilities for Infonet sales in Germany before moving to London to facilitate the setup of Deutsche Telekom's first business unit abroad. With this experience behind him, Karl then took over responsibilities in Tokyo to support Deutsche Telekom in Japan.

Returning from his obligations abroad, Karl then went on to chair Deutsche Telekom's multi-carrier activities in the Financial Network Association (FNA) before becoming a member of the Global One Alliance business that consolidated the international activities of Deutsche Telekom, France Telecom, and Sprint.

With his move to ICSS, Karl facilitated Deutsche Telekom's rollout of its international network and the associated services and products. In addition to his product-related obligations, Karl is also in charge of cost control and profit assurance within the ICSS organization.

Karl Ternes graduated with a degree in telecommunications from the University of Applied Sciences in Koblenz, Germany.

### **Conference Day Three – Session 5**



**Andy McEwan**

*Head of Ethernet & Leased Line Product Management*  
**Virgin Media Business**

Andy McEwan joined Virgin Media Business in 2006 and initially focused on the management and development of the company's National Ethernet product portfolio. In 2008, Andy was appointed Head of Point to Point Product Management. In this

role, Andy is responsible for the management and development of a wide range of products such as Dark Fibre, Leased Lines, High Capacity Services (DWDM), and the Ethernet portfolios.

Andy is currently the UK MEF marketing group co-chair and has more than 14 years of experience working in the telecom arena.

Before joining Virgin Media Business, Andy worked at Cable & Wireless and Energis.



**Torben Briegel Jensen**

*Commercial Manager*

**GlobalConnect**

Torben B. Jensen joined GlobalConnect in 2006 as a Product Manager, and Mr. Jensen has more than 25 years of experience from a wide range of positions within the telecom industry. Currently he takes care of price setting, commercial product performance, new product development, business case development and strategic analysis. Mr. Jensen has managed the introduction of a range of new products and has a close relationship to the sales department and thereby obtains frequent feed back from the market.

**Nick White**

*EVP*

**International Telecoms Users Group (INTUG)**

Nick White has 38 years experience in international telecommunications development. He joined Reuters (now ThomsonReuters) in 1973, who joined the newly formed INTUG with other multinationals in 1974 to lobby for competitive provision of telecommunications. He was active in UK regulation from the early 1980s, after joining Midland Bank (now HSBC) to build a second worldwide network, which was also used to offer competitive value added network services. He chaired TMA (now CMA) from 1990-93. He joined Unilever in 1991 to build his third global network, linking operations in over 100 countries. He joined the INTUG Executive in 1993 and has rejoined the CMA Board. He left Unilever in 2006 and is now an independent consultant in telecommunications regulatory affairs, representing user interests at national and international level. He is a regular speaker at international telecommunications events and represents INTUG at the European Commission and at OECD.

**Conference Day Three – Closing Plenary**

**Anthony Magee**

**Ethernet Alliance**

Anthony Magee received a first-class honours degree in Electrical and Electronic Systems Engineering from Leeds Metropolitan University (UK) in 1998, for which he was sponsored by the U.K. government.

In 2000 he joined ADVA Optical Networking, becoming involved in the design of Ethernet equipment and subsequently system design disciplines, with emphasis on packet technologies. Since 2008, Anthony has worked within Advanced Technologies as Principal Engineer responsible for synchronization and packet encapsulation techniques for Carrier Ethernet. Anthony has participated recently on Technology Strategy Board (U.K. Government funded) projects and collaboration activities investigating high-speed Internet access. In relation to standards activities, Anthony attends and monitors activities within IEEE 802.3/802.1, ITU and IETF.



**Ranganathan Raghu**

Co-Chair of Technical Committee

**Metro Ethernet Forum**

Dr. Raghu Ranganathan currently serves as Network Architect (Office of CTO) at Ciena Corporation. In his twelve years at Ciena, he has worked on Carrier Ethernet and Optical service architecture. Dr. Ranganathan represents Ciena in the MEF with active contribution in technical and marketing activities, and is also the editor of the "Carrier Ethernet for Mobile Backhaul Implementation Agreement (IA)", or MEF 22.1.