

## Past Distinguished Lecturers

At the BoG Management Retreat in 2008, Board officers concluded that, since participation in the Distinguished Lecturers Program is limited to a two-year term (with a possible two-year extension), ComSoc should encourage speakers whose terms have expired to continue giving lectures in conjunction with business trips or events bringing them to a given area. And, although the Communications Society will no longer support their travel, the chapters may still wish to take care of local accommodations.

### **PAST DISTINGUISHED LECTURERS (Continuation after term-of-service in DL program has terminated)**

aaz[at] rice [dot] edu (B. Aazhang (Behnaam)) (term ended 31 December 2007)

- Multiuser communication
- Multiple access communication
- Spectrum Sharing in wireless communication
- Cooperative Communication
- Scheduling in Wireless Communication
- Feedback in Wireless Communication

hamid [dot] aghvami[at] kcl [dot] ac [dot] uk (H. Aghvami (Hamid)) (term ended 31 December 2006)

- Delivering Ubiquitous Services Over Heterogeneous Networks (In the Context of End-to-End Networking)
- Future Broadband Access Networks-Challenges

saidaros[at] necam [dot] com (S. Aidarous (Salah)) (term ended 31 December 2002)

- New Technologies (3G, IP, WDM) Impact on Network Operations

- Evolution to NGOSS and Transition Strategies
- [2001 AP Tour](#)

akan[at] ku [dot] edu [dot] tr (O. Akan (Ozgur)) (term ended 31 December 2012)

- Fundamentals of Nanoscale Communications
- Bio-inspired Communication and Networking
- Introduction to Molecular Communications and Nanonetworks
- Carbon-nanotube (CNT)-based Nanoscale Ad Hoc and Sensor Networks
- Cognitive Radio Sensor Networks
- Next-generation Wireless Sensor Networks
- Multimedia Communications: Now and Future
- Deep Space Communications and InterPlaNetary Internet

ian[at] ece [dot] gatech [dot] edu (I. Akyildiz (Ian)) (term ended 31 December 2009)

- Cognitive Radio Networks
- Cognitive Ad Hoc Networks
- Wireless Multimedia Sensor Networks
- Sensor networks in Challenging Environments such as Underwater and Underground
- Wireless Mesh Networks
- Nano-Networks: A New Communication Paradigm
- Wireless Networking in the Next Decade

amer[at] amernet [dot] net (K. Amer (Khaled)) (term ended 31 December 2006)

- Architecture Analysis and performance modeling of network systems and protocols

nirwan [dot] ansari[at] njit [dot] edu (N. Ansari (Nirwan)) (term ended 31 December 2009)

- Network Security (in particular, Tracing Cyber Attacks)
- TCP in Heterogeneous Environments
- Optical Networks (such as Bandwidth Allocation in EPONs and RPR)
- Active Queue Management

asatanik[at] cc [dot] kogakuin [dot] ac [dot] jp (K. Asatani (Koichi)) (term ended 31 December 2012)

- NGN(Next Generation Networks) and FN(Future Networks)
- VoIP, IP Telephony
- Communications QoS & Reliability
- Access Networks

- Wireless LAN and Broadband Internet
- Regulatory Issues of NGN and Internet

bahl[at] microsoft [dot] com (V. Bahl (Victor)) (term ended 31 December 2008)

- Wireless Mesh Networks
- Wireless Network Management
- Enterprise Network Management
- Cognitive Wireless Networking & Spectrum Management

barness[at] yegal [dot] njit [dot] edu (Y. Bar-Ness (Zeke)) (term ended 31 December 2007)

- Peak to average reduction in OFDM-MIMO
- Adaptive modulation coding and power allocation for OFDM-MIMO
- Effect of phase noise on OFDM and OFDM-MIMO schemes
- MIMO Hybrid ARQ for highly frequency selective and time varying channel
- Modulation Classification for Emerging Communication Technologies

beaulieu[at] icoremail [dot] ee [dot] ualberta [dot] ca (N.C. Beaulieu (Norman)) (term ended 31 December 2008)

- Ultra-Wide Bandwidth (UWB) Receiver Performance Analysis
- UWB Receiver Structures for Multiple User Interference
- Diversity and Fading Channels
- Interference in Wireless Systems
- Pulse-Shaping
- Wireless Communication Theory
- Fading Channel Modeling and Simulation
- Importance Sampling and Rejection Sampling Techniques

vijayb[at] ece [dot] ubc [dot] ca (V. K. Bhargava (Vijay)) (term ended 31 December 2010)

- Green Cellular Networks: A Survey, Some Research Issues and Challenges
- Multigigabit Wireless Multimedia Communications: Future and Core Technologies
- Information Security and its Impact on Society
- From Marconi to Wireless Internet: A Communications Perspective
- [2012 AP DSP](#) | [2012 AP DSP #2](#)

biglieri[at] polito [dot] it (E. Biglieri (Ezio)) (term ended 31 December 2006)

- Coding for Fading Channels
- Multiple Transmit and Receive Antennas: Capacity Limits, Space-Time Codes, and Signal

Processing

- Turbo Algorithms for Decoding, Equalization, and Detection: A Graphical Approach

bennybing[at] ieee [dot] org (B. Bing (Benny)) (term ended 31 December 2008)

- Emerging Technologies of Wireless LANs: Theory, Design, and Deployment
- Next Generation Broadband Wireless Access
- Broadband Cable and Fiber Access
- Software Defined Radio and Cognitive Radio Networks
- Multiple Access Communications
- [2007 EMEA Tour](#)

boukerch[at] site [dot] uottawa [dot] ca (A.Boukerche (Azzedine)) (term ended 31 December 2012)

rboutaba[at] bbcr [dot] uwaterloo [dot] ca (R. Boutaba (Raouf)) (term ended 31 December 2009)

- Autonomic Computing and Communications

bregni[at] elet [dot] polimi [dot] it (S. Bregni (Stefano)) (term ended 31 December 2008)

- Synchronization of Digital Telecommunications Networks
- [2009 AP Tour](#) | [2008 LA Tour](#) | [2007 LA Tour](#) | [2006 LA Tour](#) | [2006 AP Tour](#) | [2005 EMEA Tour](#) | [2005 LA Tour](#) | [2003 LA Tour](#)

bushsf[at] research [dot] ge [dot] com (S. Bush (Stephen)) (term ended 31 December 2012)

- Nanoscale Communication Networks
- Smart Grid: Communication-Enabled Intelligence for the Electric Power Grid
- 2011 NA Tour ([Report/Presentation](#))

wchen[at] research [dot] telcordia [dot] com (W. Chen (Wai)) (term ended 31 December 2006)

- Advances in Vehicle Information Networking

ethcheng[at] ntu [dot] edu [dot] sg (T.H. Cheng (Tee Hiang)) (term ended 31 December 2012)

- All-Optical Photonic Packet Switching: What Have Changed and What Have Not Changed After 20 Years?
- Optical Access Networks: Past, Present and Future

- Doppler Effect and Its Engineering Applications

cbi[at] zurich [dot] ibm [dot] com (G. Cherubini (Giovanni)) (term ended 31 December 2007)

- Data transmission techniques for storage applications
- Filter-bank modulation techniques for transmission over frequency-selective channels

gharavi[at] nist [dot] gov (N. Cheung (Nim)) (term ended 31 December 2008)

- Technology and Architecture Trends in Optical Networking
- The Role of Optical Interconnect in Supercomputing
- [2005 EMEA Tour](#)

jcruz[at] ou [dot] edu (J. R. Cruz (J.R.)) (term ended 31 December 2010)

- The Role of Communications Signal Processing in Storage Systems
- Signal Processing and Coding for Perpendicular Magnetic Recording
- Advanced Channel Detection and Iterative Decoding for Hard Disk Drives

ubdesai[at] ee [dot] iitb [dot] ac [dot] in (U.B. Desai (Uday)) (term ended 31 December 2009)

- Wireless Sensor Networks: AgriSens and SenSlide
- Self Organizing Networks: Multihop Routing and Access Mechanism
- Multi- hop Cellular Networks
- ICT for Socioeconomic Development
- Cell Phone Based Wireless Sensor Networks: Layered Routing

c [dot] desmond[at] sympatico [dot] ca (C. Desmond (Celia)) (term ended 31 December 2008)

- Trends in the Telecommunications Industry
- Project Management for Telecommunications Managers
- Coaching for Managers
- Communications Course – Making Yourself Heard
- [2008 AP Tour](#) | [2008 LA Tour](#) | [2008 NA Tour](#) | [2007 NA Tour](#) | [2005 LA Tour](#) | [2004 LA Tour](#) | [2004 LA Tour \(Photos\)](#)

zding[at] ucdavis [dot] edu (Z. Ding (Zhi)) (term ended 31 December 2009)

- Hybrid ARQ and Retransmission Diversity Optimization in Wireless Communications
- Approaches to Wireless MIMO Channel Feedback
- Cognitive Wireless Networks

- Optimum Transmitter Precoding in Hybrid ARQ for Wireless MIMO Communications
- Fast Wireless Source Localization and Sensor Placement
- Quadratic Programming in Blind Equalization

mdevets[at]ncsu[dot]edu (M. Devetsikiotis (Michael)) (term ended 31 December 2011)

- Challenges in Service Oriented and Application Aware Networking
- Modeling and Simulation Techniques for Communication Networks
- Towards Network Enabled Collaboration and Innovation
- Formal Methods for Cross Layer Quantitative Modeling of Networks
- Adaptivity Mechanisms in Next Generation Networks
- Pricing and Optimization of Service Oriented Next Generation Networks
- Traffic Characterization and Analysis for Next Generation Networks
- [2009 LA Tour](#)

klaus[dot]dostert[at]etec[dot]uni-karlsruhe[dot]de (K. Dostert (Klaus)) (term ended 31 December 2008)

- Possibilities and Limitations of Broadband over Power Lines (BPL) or Power Line Communication (PLC)
- Channel Models for the Electrical Power Distribution Grid as a Communication Medium (Simulation & Emulation)
- Aspects of BPL or PLC Modem Design, Based on Multi-Carrier Signaling
- Analysis and Solutions for EMC Issues with BPL or PLC

etony[at]umd[dot]edu (A. Ephremides (Tony)) (term ended 31 December 2009)

- Wireless Ad Hoc Networks
- Network Coding As A New Paradigm In Networking
- Energy Efficiency In Wireless Networks
- Cross-Layer Issues In Network Design
- Sensor Networks
- Stability Issues In Wireless Networks
- Power Control In Ad Hoc Networks
- New Directions And Challenges In Wireless Networking

javan[dot]erfanian[at]bell[dot]ca (Javan Erfanian) (term ended 31 December 2008)

- End-to-end Wireless Technology Evolution
- New Paradigms and Future Service Environment
- Emerging User Requirements & Key Research Areas

dressler[at] ieee [dot] org (F. Dressler (Falko)) (term ended 31 December 2012)

- Inter-Vehicular Communication: Protocols and Simulation Techniques
- Self-Organization in Sensor and Actor Networks
- Biologically-inspired and Nano-scale Communication and Networking
- [2012 LA DSP](#) | 2012 AP Tour ([Report/Tutorial 1/Tutorial 2](#)) | 2011 NA Tour ([Report/Tutorial 1/Tutorial 2](#)) | [2011 EMEA Tour](#)

gavan[at] hit [dot] ac [dot] il (J. Gavan (Jacob)) (term ended 31 December 2009)

- Radio Frequency Systems Interference and Radiation Effects: Analysis, Computation and Mitigation Techniques
- Radio Systems Collocation Non Linear Mutual Interference Effects: Analysis, Computation and Mitigation Techniques
- Electromagnetic Analysis and Simulation of RF base stations and Headsets Radiation Effects and Development of Mitigation Techniques
- RADAR and LADAR multimode systems for detection and tracking cooperative targets with optimum accuracy and operation ranges
- Stratospheric Quasi Stationary Platforms (SQSP) as complement to Ground Cellular Systems for Improving Radio-Communication Performances
- Hypothesis of Hornets (or other Flying Creatures) Biological RADAR and Direction Finding Systems and Future Applications
- Overview of Navigation Techniques Leading to Global Positioning Systems with Optimum Reliability and Accuracy
- Overview of Mobile Satellite Systems
- Overview of Smart Antennas
- Radio Frequency Identification Devices (RFID) EMC performances: Analysis and Mitigation Techniques
- [2006 AP Tour](#)

adg[at] ieee [dot] org (A. Gelman (Alex)) (term ended 31 December 2012)

- Standardization Activities in IEEE - A Service to the Membership, Industry, and Humanity

gharavi[at] nist [dot] gov (H. Gharavi (Hamid)) (term ended 31 December 2006)

- Wireless Multimedia Communications
- Ad-hoc Networks Systems & Applications

gibson[at] mat [dot] ucsb [dot] edu (J. Gibson (Jerry)) (term ended 31 December 2006)

- Voice and Video over Wireless Local Area Networks
- Voice Capacity under Quality Constraints for IEEE 802.11a Wireless LANs
- Multiple Descriptions and Path Diversity for Voice Communications over Wireless Mesh Networks

Glitho[at] ciise [dot] concordia [dot] ca (R. Glitho (Roch)) (term ended 31 December 2009)

- Next Generation Networks
- IP Telephony
- Architectures for End User Services
- Network Interworking

andrea[at] ee [dot] stanford [dot] edu (A. Goldsmith (Andrea)) (term ended 31 December 2010)

- Capacity Limits of Wireless Channels/Networks
- Multiple-Antennas in Wireless Links/Networks
- Space-Time-Frequency Agile Radios
- Energy-Constrained Communication
- Cross Layer Design of Wireless Systems
- Wireless Ad Hoc and Sensor Network Design
- Multimedia over Wireless
- Distributed Control over Wireless Networks
- [2009 LA Tour](#)

haas[at] ece [dot] cornell [dot] edu (Z. J. Haas (Zygmunt)) (term ended 31 December 2007)

- Ad Hoc Networking Technology: from Research to Applications
- Scalability of Wireless Networks
- Security in Wireless Networks
- Biologically-Inspired Networks and Systems
- Sensor Networks

habib[at] ccny [dot] cuny [dot] edu (I. Habib (Ibrahim)) (term ended 31 December 2007)

- GMPLS Control of IP optical Networks
- Architecture Design of Metro Optical Networks
- Traffic Engineering and QoS in Next Generation Networks
- Wireless Local and Metro Area Networks
- 3G and Beyond Networks

lh[at] ecs [dot] soton [dot] ac [dot] uk (L. Hanzo (Lajos)) (term ended 31 December 2007)



- Wireless Multimedia Turbo-transceivers
- Wireless Video Communications
- Joint Source- and Channel Coding
- Near-Instantaneously Adaptive Wireless Single-Carrier, OFDM and CDMA Systems
- Turbo Coding, Turbo Equalisation and Space-Time Coding
- Standard-Oriented, Channel-Quality Motivated, Service-Related and Algorithmic Aspects of Software-Controlled Radios
- Research in Single- and Multi-Carrier CDMA
- Research aspects of OFDM
- Cross-layer optimization in Wireless Communications
- Genetic Algorithms in Wireless Communications
- Smart Antennas in Wireless Communications
- Advanced Wireless Networking
- [2002 AP Tour](#)

fred [dot] harris[at] sdsu [dot] edu (f. harris (fred)) (term ended 31 December 2009)

- Synchronizing Digital Receivers
- DSP to Improve Receiver Performance(I-Q Mismatch, DC-Cancel, etc)
- DSP in Modern Digital Communications
- OFDM from A DSP Perspective
- Software Defined Radio
- Channelized Receivers
- A Short History of Radio

hossam[at] cs [dot] queensu [dot] ca (H. Hassanein (Hossam)) (term ended 31 December 2010)

- Enabling Ubiquitous Mobile Services
- Next Generation Broadband Wireless Access Networks
- Resource Management in Heterogeneous Wireless Networks
- Enabling Mobile Computing in Wireless Ad hoc Networks
- Planning and Device Deployment in Wireless Sensor Networks

heatherehudson[at] gmail [dot] com (H. E. Hudson (Heather)) (term ended 31 December 2011)

- From Rural Village to Global Village: The Role of Telecommunications in Socio-Economic Development
- Bridging the Broadband Divide: Strategies for Rural and Developing Regions
- Universal Service Funds: Accelerators or Anachronisms?
- Broadband Policies and Funding Strategies in North America (Canada and U.S.)
- Rethinking Remoteness: VOIP, YouTube, and Development
- Rural Telemedicine: Lessons from Alaska
- Municipal Broadband: Lessons from the U.S. Experience

- The Wireless Explosion: Connectivity for the Developing World
- [2011 EMEA ITU Forum](#) | [2011 EMEA DSP Presentation](#) | 2009 AP DSP ([Report/Presentation](#))

jain[at] nayna [dot] com (R. Jain (Raj)) (term ended 31 December 2006)

- Computer Networking: Recent Developments, Trends, and Issues

jajszczyk[at] kt [dot] agh [dot] edu [dot] pl (A. Jajszczyk (Andrzej)) (term ended 31 December 2005)

- Next-Generation Networking Solutions & Challenges
- Towards Automatically Switched Optical Networks (ASON)
- [2004 AP Tour](#)

gabekobson[at] earthlink [dot] net (G. Jakobson (Gabe)) (term ended 31 December 2009)

- The Principles of Dynamic Event and Situation Management
- Introduction to Cognitive Information Fusion and Operational Situation Management
- Introduction to Event Correlation Models, Solutions and Applications
- Real-Time Network Fault and Alarm Management
- Management of Dynamic Networks and Services Based on Distributed Event Correlation
- The Technology and Practice of Integrated Multi-Agent Event Correlation Systems
- [2007 LA Tour](#)

abbas[at] ee [dot] usyd [dot] edu [dot] au (A. Jamalipour (Abbas)) (term ended 31 December 2009)

- Broadband Wireless IP
- Next Generation Mobile Network Architectures
- Heterogeneous Mobile Cellular Networks
- [2006 EMEA Tour](#)

kartalopoulos[at] ou [dot] edu (S. Kartalopoulos (Stamatios)) (term ended 31 December 2010)

- DWDM Technology and Optical Networks for Beginners
- DWDM Optical Networks
- DWDM Technology

- Next-Generation Intelligent Optical Networks
- Mesh Free-Space (or Wireless) Optical Networks
- Introduction to Network Security
- Introduction to Quantum Cryptography
- Neural Networks and Fuzzy Logic

b [dot] khasnabish[at] ieee [dot] org (B. Khasnabish (Bhumip)) (term ended 31 December 2010)

- New Generation of Networking
- Multimedia Services Peering
- Evolution of IP Multimedia Subsystem (IMS)
- Harmonization of Network/Service Elements
- Convergence: Service and Network Viewpoints
- [2010 AP Tour](#) | [2009 NA Tour](#) | [2007/2008 AP Tour](#)
- [2011 NA DSP](#) | [2010 NA DSP](#)

tho [dot] le-ngoc[at] mcgill [dot] ca (T. Le-Ngoc (Tho)) (term ended 31 December 2009)

- Advances in Broadband Access Communications
- Multimedia Satellite Communications
- Adaptive Transmission and Dynamic Resource Allocation
- Broadband xDSL Access Communications
- Collaborative & Cognitive Communications

alberto [dot] leongarcia[at] utoronto [dot] ca (A. Leon-Garcia (Alberto)) (term ended 31 December 2009)

- Carrier-Class Peer-to-Peer Networking
- What is an Application Oriented Network?
- Towards Autonomic Networks

eekhaled[at] ee [dot] ust [dot] hk (K.B. Letaief (Khaled)) (term ended 31 December 2008)

- Broadband Wireless Access in Next-generation Wireless Networks
- 3G Mobile Systems
- Access Technologies for B4G Wireless Systems

vleung[at] ece [dot] ubc [dot] ca (V. C. M. Leung (Victor)) (term ended 31 December 2012)

- Service and Network Convergence in Next Generation Networks
- Mobile Agents in Wireless Sensor Networks
- Wireless Networks for Vehicle-Infrastructure Integration

- From WPAN to WBAN: Short Range Packet Communications

bli[at] cs [dot] ust [dot] hk (B. Li (Bo)) (term ended 31 December 2007)

- Optical Networks, specifically on WDM Systems
- Wireless Networks (Cellular Systems)
- Wireless Ad Hoc Networks and Sensor Networks
- Multimedia Communications, specifically related to video communications and video multicast
- General topics in computer networks and Internet
- Peer-to-Peer systems

liye[at] ece [dot] gatech [dot] edu (G.Y. Li (Geoffrey Ye)) (term ended 31 December 2010)

- From OFDM and SC-FDE to EST-based Modulation
- Join Physical and MAC Layer Optimization for Wireless Networks: Centralized
- Join Physical and MAC Layer Optimization for Wireless Networks: Distributed
- Signal Processing Issues in Cognitive Radios

jini[at] microsoft [dot] com (J. Li (Jin)) (term ended 31 December 2012)

- Locality aware P2P delivery: the way to scale Internet Video
- Towards Glitch Free VoIP and Video Conferencing
- Data in the Cloud: Design of Efficient Storage Systems
- High Performance Enterprise Computing with Solid State Drive (SSD)

wjliao[at] cc [dot] ee [dot] ntu [dot] edu [dot] tw (W. Liao (Wanjiun)) (term ended 31 December 2012)

- Green communications and networking
- Wireless multimedia networking
- Cloud-aware data center networking

mmalek[at] ieee [dot] org (M. Malek (Manu)) (term ended 31 December 2006)

- Security and Information Assurance
- WLAN Security
- [2006 LA Tour](#) | [2002 LA Tour](#)

george [dot] mattathil[at] ieee [dot] org (G. Mattathil (George)) (term ended 31 December 2007)

- Network Industry Dynamics: There is lack of appreciation of the tradeoffs between packet/circuit technologies in the industry. This topic can be covered from three perspectives:
  - Technical (product design)
  - Market (product marketing)
  - Business strategy

m [dot] merabti[at] ljm [dot] ac [dot] uk (M. Merabti (Madjid)) (term ended 31 December 2012)

- Critical Infrastructure Protection: A 21st Century Challenge
- Sharing Human Digital Memories – Practical Challenges
- The Challenge of Society in the 21st Century- Being Remote but Always Connected
- Wireless Networking a State of the Art
- The State of the Art in Network Security Research
- Security in Ubiquitous Computing Environments
- On Line Games and Security
- Networked Appliances and Computer Entertainment
- 2011 EMEA DSP ([Report](#)/[Picture](#))

Andreas [dot] Molisch[at] ieee [dot] org (A. Molisch (Andreas)) (term ended 31 December 2008)

- MIMO propagation channels
- Antenna selection in MIMO systems
- Ultrawideband impulse radio: from theory to practice
- Ultrawideband propagation channels and their impact on system design
- Cooperative communications for adh-hoc networks and infrastructure-based systems
- [2008 AP Tour](#)

mouftah[at] site [dot] uottawa [dot] ca (H. Mouftah (Hussein)) (term ended 31 December 2006)

- Advances in Photonic Packet Switching Networks
- How to Make Optical Networks Survivable
- [2006 EMEA Tour](#)

oel[at] zurich [dot] ibm [dot] com (S. Oelcer (Sedat)) (term ended 31 December 2007)

- Magnetic Storage Systems: State-of-the-Art and Market Trends
- A 50 Year Journey in Tape Storage

Stefan [dot] parkvall[at] ericsson [dot] com (S. Parkvall (Stefan)) (term ended 31 December 2012)

- LTE, IMT-Advanced, and beyond

- Future radio access - challenges
- [2012 AP Tour](#) | [2011 NA Tour](#)

pursley[at] eng [dot] clemson [dot] edu (M. Pursley (Michael)) (term ended 31 December 2006)

- Energy-Efficient Routing in Mobile Frequency-Hop Ad Hoc Networks
- Cross-Layer Protocols for Mobile Spread-Spectrum Ad Hoc Networks

qiao[at] computer [dot] org (C. Qiao (Chunming))(term ended 31 December 2012)

kkrama[at] teraoptic [dot] com (K. K. Ramakrishnan) (term ended 31 December 2006)

- QoS and Traffic Management in Data Networks
- LANs, MANs and Access Networks
- Congestion Control
- [2005 AP Tour](#)

gee[at] alcatel-lucent [dot] com (G. Rittenhouse (Gee/George)) (term ended 31 December 2008)

- Future of Wireless Networking

rouskas[at] ncsu [dot] edu (G. Rouskas (George)) (term ended 31 December 2011)

- Power-aware and computationally efficient optical network design
- Net SILO: Architectural support for Internet evolution and innovation
- A framework for hierarchical traffic grooming in optical networks
- [2011 AP Tour](#)

roberto [dot] saracco[at] telecomitalia [dot] it (R. Saracco (Roberto)) (term ended 31 December 2007)

- Vision of a Future with Ubiquitous Telecommunications, Communications among Objects, Information Appliances
- Network Economy and Telecommunications
- Evolution of Telecommunications Technologies, Architectures, Services; Leveraging on Existing Telecommunications Infrastructure and Evolving Them in Developing Countries
- Entrepreneurship Capacity Building for Developing Countries
- Wireless and Wireline Internet: Bringing Internet Services Using Voice Communications
- [2007 EMEA Tour](#) | [2007 LA Tour](#) | [2006 AP Tour](#) | [2005 EMEA Tour](#) | [2002 LA Tour](#)

ted [dot] sargent[at] utoronto [dot] ca (E. H. Sargent (Ted)) (term ended 31 December 2006)

- Nanotechnology and Stimulated Self-assembly
- Self-organized Photonic Structures for Optical Signal Processing
- Solution-processed Infrared-emitting Quantum Dots for Optics-electronics Integration

hsari[at] ieee [dot] org (H. Sari (Hikmet)) (term ended 31 December 2006)

- Broadband Wireless Access
- Broadband Cable Access
- [2003 LA Tour](#)

hgs[at] cs [dot] columbia [dot] edu (H. Schulzrinne (Henning)) (term ended 31 December 2009)

- VoIP - Beyond Replicating the Limitations of the Past
- Next-Generation Emergency Calling (NG911)
- The Vision and Reality of Ubiquitous Computing
- Making VoIP and WiFi Play Nice Together

xshen[at] bbcr [dot] uwaterloo [dot] ca (X. Shen (Sherman)) (term ended 31 December 2010)

- Resource management of Wireless Networks
- Medical Body Area Networks

ks[at] ieee [dot] org (K. Sohraby (Kazem)) (term ended 31 December 2006)

- Emerging Transmission Technologies
- Emerging Switching Technologies

arun[at] iastate [dot] edu (A.K. Somani (Arun)) (term ended 31 December 2012)

- Monitoring the US Power Grid Using Wireless Sensor Networks
- Survivable Path Level Traffic Grooming in WDM Optical Networks
- Capacity-Balanced Efficient Protection and Grooming Optical Architecture
- RDFN - Robust, Dynamic and Fair or (Real-Damn-Fast) Network
- Wavelength-Division-Multiplexing-Based Networks: Issues and Challenges
- Issues in Optical Interconnection of LANs
- End-to-End Packets and Circuits over Fiber
- Fault and Attack Management in Optical Network

rsrikant[at] uiuc [dot] edu (R. Srikant) (term ended 31 December 2012)

- Network Optimization, Architecture and Algorithms
- Distributed Scheduling Algorithms for Wireless Networks
- Shadow-Queue Architecture for Adaptive Routing and Scheduling

jpgs[at] sterbenz [dot] org (J. Sterbenz (James)) (term ended 31 December 2007)

- Resilient, survivable, and disruption-tolerant mobile wireless networking
- Programmable, adaptive, extensible, and active networks
- High-speed networking architecture, technology, and design principles

stuber[at] ece [dot] gatech [dot] edu (G. Stüber (Gordon)) (term ended 31 December 2008)

- MIMO Mobile-to-Mobile Channel Modeling
- Synchronization for MIMO-OFDM
- Cognitive Radio in DTV Bands

suda[at] ics [dot] uci [dot] edu (T. Suda (Tatsuya)) (term ended 31 December 2010)

- Molecular Communication: New Paradigm for Communication Among Nano-Scale Biological Machines
- The Bio-Networking Architecture: A Biologically Inspired Approach to the Design of Computer Networks and Network Applications
- New Research Directions in Networks: from Sociology to Biology

itom[at] ait [dot] edu [dot] gr (I. Tomkos (Ioannis)) (term ended 31 December 2007)

- Transparent Optical Networks
- Impairment Constraint Routing in Wavelength Routed Networks
- Performance and technology trends in ultra-long-haul optical networks
- Performance and design issues in metropolitan area optical networks

towsley[at] cs [dot] umass [dot] edu (D. Towsley (Don)) (term ended 31 December 2007)

- Network security
- The Internet as a complex system
- Network modeling, analysis, and control
- P2P applications, overlays, and their interactions with the Internet



kst[at] ee [dot] duke [dot] edu (K. Trivedi (Kishor)) (term ended 31 December 2012)

- Survivability Quantification
- Software Aging and Rejuvenation
- High Availability Software System Assurance
- Performability Modelling of Wireless Communication Systems
- Performance and Reliability of Composite Web Services
- Modeling SIP Application Server Reliability
- Stochastic Petri Nets
- Reliability and Availability Modeling using the SHARPE Software Package

mehmet [dot] ulema[at] manhattan [dot] edu (M. Ulema (Mehmet)) (term ended 31 December 2008)

- Management of next generation wireless networks
- Management of wireless ad-hoc and sensor networks
- Wireless Sensor Networks: Applications, Architectures, Protocols and Management
- Network Management: An overview
- [2009 AP Tour](#) | [2008 LA Tour](#) | [2007 LA Tour](#)

nhv[at] uiuc [dot] edu (N. Vaidya (Nitin)) (term ended 31 December 2007)

- Wireless Mesh Networks
- Protocols for Multi-Channel Wireless Networks
- Utilizing Directional Antennas in Multi-Hop Wireless Networks

mihaela[at] ee [dot] ucla [dot] edu (M. van der Schaar (Mihaela)) (term ended 31 December 2012)

- Design Principles for Social Networks
- Shannon Revisited: New Separation Principles for Wireless Multimedia
- New Classes of Multi-user Communication Games
- Mechanism Design for Engineers: The Theory of Intervention Games with Application to Wireless Networks
- Network economics

vinck[at] iem [dot] uni-due [dot] de (A.J. Vinck (Han)) (term ended 31 December 2009)

- Information Theory and Coding Techniques
- Applications to Random Access; Memory Systems
- [2009 AP Tour](#)

moewin[at] MIT [dot] EDU (M. Win (Moe)) (term ended 31 December 2009)

- Fundamentals of Ultrawide Bandwidth (UWB) Systems
- Recent Advances in Ultrawide Bandwidth (UWB) Communications Networks

xiaoc[at] mst [dot] edu (C. Xiao(Chengshan)) (term ended 31 December 2012)  
USA

- Globally Optimal Linear Precoders for Finite Alphabet Signals over Complex Vector Gaussian Channels
- Underwater Acoustic Communications: Problems, Challenges and Undersea Experiment Results
- Cooperative Multi-user Communications under Finite Alphabet Constraints: Theory and Practice
- Wireless Fading Channel Modeling and Simulations

xue[at] asu [dot] edu (L. Xue (Larry G.)) (term ended 31 December 2011)

- Coverage and Connectivity in Wireless Sensor Networks
- Cross-layer Optimization for Wireless Mesh Networks
- Multiconstrained QoS Routing and Multipath Routing
- Robust Localization in Wireless Sensor Networks
- Social Networks

qianzh[at] cse [dot] ust [dot] hk (Q. Zhang (Qian)) (term ended 31 December 2011)

- Advances in Cognitive Radio Networks
- Dynamic Spectrum Access for Efficient Spectrum Management
- Cooperative Wireless Networks
- Cross-Layer Design for Wireless Mesh Networks
- Wireless Sensor Networks and Applications

wzhuang[at] uwaterloo [dot] ca (W. Zhuang (Weihua)) (term ended 31 December 2011)

- Resource Allocation for Cellular/WLAN Integrated Networks
- QoS Routing in Mobile Ad Hoc Networks
- Distributed Medium Access Control for QoS Support in Wireless Networks
- Routing and Medium Access Control for Delay Tolerant Traffic in Mobile Ad Hoc Networks
- Hybrid Mobile User Location and Non-Line-of-Sight Error Mitigation

