

IEEE Mini-Symposium on Satellite Communications

Author Biographies

David G. Michelson received the BAsC, MASc, and PhD, all in Electrical Engineering, from UBC. From 1996-2001, he served as a member of a joint AT&T Wireless Services (Redmond, WA) and AT&T Labs – Research (Red Bank, NJ) research group concerned with propagation and channel modelling. From 2001-2002, he helped to oversee deployment of one of the world's largest campus wireless LANs at UBC. In 2003, he became a full-time faculty member at UBC where he now leads the Radio Science Lab. Professor Michelson is a senior member of IEEE and chairs the IEEE Vancouver Section's Joint Communications Chapter.

Caroline L. Lewko is a Senior Business Analyst at CIMI (Canadian Institute for Market Intelligence, part of NRC IRAP). She has worked with well over 200 companies identifying business models, strategic alliances, funding opportunities and competitive intelligence to help them commercialize their technology in the global market. Caroline plays an active role in building the technology community in BC as a Board Member of New Media BC and is a founding director of WINBC Wireless Innovation Network of BC. She received her MBA from Dalhousie University and BA from the University of Manitoba.

Bruce Arnsbarger is Director of Applications Development at ORBCOMM in Dulles, VA. A veteran member of the ORBCOMM team, Bruce has held several roles in the company since its inception.

Reo Phillips has been with Axys Technologies Inc. (ATI) since 1996 where he has been involved in the design and development of data collection and telemetry solutions for clients around the world. Reo is responsible for system integrations for the Axys products as well as for all new product development undertaken by the company.

Steven J. Ma is an MASc candidate in the Department of Electrical and Computer Engineering at UBC. Before pursuing graduate studies, he worked on cellular network planning and optimization at Nokia.

Michael Scheffer, MSc(Eng), PEng is Project Manager Portable Terminals at Norsat International Inc. He has over 15 years R&D experience in Satellite Ground Terminal Systems Engineering. He has worked on various EHF, Ka band Ka/Ku and Ku band ground terminal systems for government and commercial customers. Mr. Scheffer has worked on all aspects of systems engineering from requirements definition to system testing and most recently has been Project Manager for the Norsat OmniLink™ NewsLink and SecureLink terminals.

Pervez Siddiqui is Director of Marketing at Norsat International Inc. He has a diverse marketing portfolio and international experience working with companies to develop, market and enhance their products, services and corporate image. Combined with his strong understanding of business processes, his experience also includes budgeting,

creating marketing plans and programs, channel management, developing ROI's, and packaging collateral. Mr. Siddiqui, using various modes of marketing techniques and working closely with Sales Teams, has been successful with Harris Corporation and a number of software companies.

Sasa Trajkovic, MEng, PEng is Director of OmniLink™ Engineering at Norsat International Inc. He has over 16 years R&D experience in RF/Microwave design and development from component to system level. His working experience spans across the Satellite, CATV, Terrestrial TV Broadcasting and the Defense Industries. During his years with Norsat, he was responsible for Ka/Ku ODU product design and development, and most recently, he is providing research and development direction and leading the Engineering team through the development process for all projects related to OmniLink™ family of portable satellite terminals.

Chris Francis, PEng graduated from UBC Electrical Engineering in 1990. Shortly, after graduation, went to work in the System Control and Communications Design Department at BC Hydro. Initially, he worked on Control Centre redevelopment projects doing system integration and testing. This work evolved into several real-time hardware and software designs. He is now involved in the remote control of distribution "poletop" devices, substation automation, and retrieving operational data from Independent Power Producers.

Lijuan Wu received the MASc degree in Electrical and Computer Engineering from UBC in 2002. Her thesis research was concerned with improving the performance of TCP over broadband satellite networks.

Fei Peng received her postgraduate training at Beijing University of Posts and Telecommunications and received the PhD degree in Communication and Electronic Systems in 2000. Since 2001, she has been working as a Postdoctoral Fellow at UBC. Her research interests are in analyzing and enhancing the performance of TCP over wireless networks.

Victor Leung received the BAsC(Hon.) and PhD degrees in electrical engineering from UBC in 1977 and 1981, respectively. After 6 years with the Satellite Systems Group at MPR Teltech., he started his academic career in the Chinese University of Hong Kong. He returned to UBC in 1989, where he is now a Professor and the Associate Head for Graduate Affairs in the Department of Electrical and Computer Engineering, and holder of the TELUS Mobility Research Chair in Advanced Telecommunications Engineering. Victor is a Fellow of the IEEE, an Associate Editor of the IEEE Transactions on Vehicular Technology, and an Editor of the IEEE Transactions on Wireless Communications. His research interests are in wireless networks.

Greg Giffen is a senior systems engineer with MDA's Space Missions group where he has worked for seven years. He has worked on a wide variety of small satellite missions and is currently the system lead for the Cassiope mission. He is one of the originators of the Cascade concept which he is very happy to be presenting at this symposium.