



The FUTURE OF TELECOM - A Panel Discussion

45th IEEE International Midwest Symposium on Circuits and Systems 2002

presented

by

**Oklahoma State University
College of Engineering, Architecture and Technology
School of Electrical and Computer Engineering
&
IEEE Circuits & Systems Society**

OSU - Tulsa campus, Tulsa, OK

August 7, 2002



A special thank you to our sponsors

- IEEE Circuits and Systems Society
- Oklahoma State University
- National Science Foundation
- Williams Communications Group, Tulsa, OK
- Phillips Petroleum Company, Bartlesville, OK
- Halliburton Company, Dallas, TX
- Seagate Technology, Oklahoma City, OK
- Center of Excellence in Information Technology
and Telecommunications (COEITT), Tulsa, OK
- Frontier Electronic Systems, Stillwater, OK
- Agilent Technologies, Fort Collins, CO
- Optical Datacom, Tulsa, OK
- FlightSafety International, Tulsa, OK
- Sciperio, Stillwater, OK
- Oklahoma Gas & Electric, Oklahoma City, OK
- Ericsson Inc., Plano, TX
- AFN Communications, Tulsa, OK
- Stillwater Designs-Kicker, Stillwater, OK
- Nomadics, Inc., Stillwater, OK
- Williams Companies, Tulsa, OK
- AEP-Public Service Company of Oklahoma, Tulsa, OK
- Kay and Steve Wyatt, Bartlesville, OK
- McLeodUSA, Inc., Tulsa, OK
- WORLDCOM, Tulsa, OK

The FUTURE OF TELECOM - A Panel Discussion

Presenting the Panel Chair and Members of the Panel

Dr. Paul J. Kolodzy, PhD (Chairman of the Panel)

Senior Spectrum Policy Advisor
FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF ENGINEERING AND TECHNOLOGY

Dr. Paul Kolodzy is the Senior Spectrum Policy Advisor in the Office of Engineering and Technology (OET) at the Federal Communications Commission (FCC). Dr. Kolodzy also chairs a newly created FCC task force addressing issues related to spectrum policy. This task force will be charged with examining spectrum allocation processes and other issues so that spectrum can be put to the highest and best use in a timely manner.

Dr. Kolodzy's background is quite diverse both in education and in work experience. He has an interdisciplinary technical background in chemical and electrical engineering as well as optics, signal processing, and communications.

Prior to his FCC position, Dr. Kolodzy served at the Defense Advanced Projects Agency (DARPA) focusing on offensive and defensive communications utilizing advanced materials, techniques, and leveraging, as well as coping, with advances in the commercial sector. One of his successes at DARPA was the development and demonstration of a man-portable software definable radio prototype that operated from 20 MHz to 2,500 MHz with data rates exceeding 2 Mbps.

Dr. Kolodzy's previous duties were at Sanders, a Lockheed Martin Company as Director of Signal Processing and Strategic Initiatives. In this capacity, he was responsible for managing the advanced technology focused on Information Warfare, Electronic Warfare, and Signal Intelligence techniques. Prior to Sanders, he was at MIT Lincoln Laboratory in both staff and management positions. His work involved Optical Systems for Laser Radars, Signal Processing, and Target Recognition for Acoustics, RF (SAR), and Optical signatures

Panel Members

Mr. Matt Beal, Director of Architecture, Williams Communications

Mr. Steve Carter, Vice President of Engineering, Qualcomm

Dr. Rajiv Laroia, CTO and Founder, Flarion

Mr. Scott Migaldi, Director of Wireless Standards, Motorola

Dr. Carl Panasik, Distinguished Member of Technical Staff, Texas Instruments

Dr. Brian Woerner, Associate Director of Mobile and Portable Radio Research, Virginia Polytechnic Institute and State University

Mr. Teddy Wyatt, Vice President of Engineering, Carrier Access Group