



IEEE SYMPOSIUM



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VEHICULAR TECHNOLOGY SOCIETY,

CONSUMER ELECTRONICS SOCIETY

WIRELESS



MULTIMEDIA

WEDNESDAY,

MAY 24, 2006



Schedule:

1:00 - 5:00 pm: Speakers
5:00 - 7:00 pm: Networking
& Dinner
7:00 pm - Baseball Game

Location: Frisco, TX
Embassy Suites &
Frisco Rough Riders

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contact Judah Epstein at

Judah@JudahEpstein.com



Speakers:

Jeremiah Golston is a

Distinguished Member of Technical Staff at **Texas Instruments** and Chief Technical Officer for the Streaming Media Business. He is responsible for TI's device architecture roadmap for emerging markets in IPTV and media convergence in the connected home. Golston led the definition of the TMS320C64x instruction set extensions for video and broadband communications. He was chief architect for the DM64x digital media processor family and one of the lead architects for the DaVinci media processing SOC platform. Golston received bachelors and masters degrees in EE. He holds 20 patents in media processor architecture and optimized algorithm implementations.



Translating HD Content at the Tower of Babel

If you've conquered receiving HD content in your home, you may soon face challenges storing this content on a DVR or moving it to standard definition equipment and portable video devices. HD content requires tons of disk space to store and high performance to decode. Portable devices and legacy devices in your home typically don't support HD decoding and advanced codecs used to achieve higher compression for HD content delivery. Transcoding is an emerging technology for converting content across resolutions, frames rates, and video coding formats. This presentation provides an overview of the typical formats used for HD broadcast and some of the associated processing requirements for decoding and displaying it. Various transcode scenarios will be described along with some of the challenges for transcoding in client devices.

Shahbaz Rahmanian, Access Product at Samsung Telecommunications

Shahbaz Rahmanian is managing the systems engineering team at Samsung Telecommunications and he is responsible for next generation access product development. Prior to Samsung Telecommunications, Shahbaz served as Product Line Manager at OMECOM technologies, and Yotta Networks. He also worked at Fujitsu Network Communications in Richardson Texas as Distinguished Product Planner responsible for planning of access products and SONET products; in addition he set requirements for Ethernet features on next generation SONET products. He also led the development of the access products in Racal-Datacom. Previously, Shahbaz worked for AT&T for 10 years as strategic Product Market Manager and he was responsible for development and marketing of the advanced data services. Shahbaz received his MS in Computer Engineering and Electrical Engineering from Computer Sciences department of University of Illinois 1982.

IPTV Access Network Architecture

There are several choices of Access Network infrastructure for delivering of IPTV services, which is influenced by a number of factors. Obviously, one network architecture does not fit all service providers when it comes to providing for IPTV delivery. In this presentation, we will look at a few of the leading access architectures and address some of the technology and economic-based factors that influence the selection of a particular access network architecture for delivering IPTV.



The presentation covers the access technologies such as FTTx, B/E/GPON, ADSL2, VDSL2, which compliment to video delivery. It covers understanding of fundamental of access network architectural framework, understanding of key IP video services elements. It also review some of challenges exists for IPTV services.

Steven Magee, Texas Instruments

IPTV Demonstration

William Yue is senior product planner of access product planning in **Fujitsu** Network

Communications. William has over 15 years of experience in telecommunications. He started his telecommunications career with Nortel Networks working on SNA, X.25, Token-Ring, and ATM. In Fujitsu, he has been involved in defining next-generation data features on a very successful FLASHWAVE 4000 product line. Currently, he is working on planning Fujitsu's next-generation access product with focus on PON, DSL and WiMAX technologies. He holds a MS in EE & a B.S in Computer Engr.



The vision of Network convergence toward a consolidated packet-based network has been discussed for years. The evolution pace towards convergence has been slow due to economic, technical and regulatory issues. However, the current wave of packet-based broadband applications like Internet access, VoD, IPTV, HDTV, broadband wireless, and FTTX push the network evolution. In this talk, new emerging broadband technologies like GPON, WiMAX and Pseudowires will be discussed and show how those technologies can be integrated together to provide a seamless converged wireline and wireless network, and outlines the challenges ahead to make the vision of a packet-based network successful.

MAY 24, 06 IEEE SYMPOSIUM REGISTRATION

Please use a separate Registration Form for each attendee.

Circle the option for which you are registering:

		(determined by date received)	Registration (before May 9)	Late Registration (May 9 – May 21)	Register at Event
IEEE Member	Speakers, Dinner, and Game		\$ 50	\$ 60	\$ 70
	Speakers, No Dinner, No Game		\$ 25	\$ 35	\$ 45
	Dinner & Game Only		\$ 25	\$ 25	N / A
Non IEEE Member	<i>Speakers, Dinner, and Game</i>		<i>\$ 70</i>	<i>\$ 85</i>	<i>\$ 95</i>
	<i>Speakers, No Dinner, No Game</i>		<i>\$ 45</i>	<i>\$ 60</i>	<i>\$ 70</i>
	<i>Dinner & Game Only</i>		<i>\$ 25</i>	<i>\$ 25</i>	<i>N / A</i>

*Note: If you register late, you may not be guaranteed a ticket to the Baseball Game.

Are you a full-time student? YES Registration fee is Half-Price
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Payment for Dinner and Game includes: Buffet dinner, Game ticket, Free Parking, Game Day Program, autographs, Baseball Cap.

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Judah Epstein 3140 Dyer St # 3381, Dallas, TX 75275-3381

Speakers begin at Embassy Suites at 1:00 pm. Address is 7600 John Q. Hammons Drive, Frisco, TX 75034 Tel: 972-712-7200.

Frisco Rough Riders are located at <http://ridersbaseball.com/directions/>.

These facilities are across the parking lot from each other.

Please contact Judah Epstein at Judah@JudahEpstein.com for more info or go to <http://www.cvt-dallas.org>.