

Introductions and Welcome

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TFI Communications Technology Asset Valuation Conference

> January 29-30, 2014 Radisson Downtown Austin, Texas

13740 Research Blvd., Bldg. C-1 • Austin, Texas 78750 (512) 258-8898 • www.tfi.com

TECHNOLOGY

Housekeeping

- Welcome and Introductions
- Lunch and Reception
- Continuing Professional Education Credits
- Evaluation Sheets
- Professional Recording
- Changes for Conference for 2014



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DATA CENTERS

- 2 9:00 am **Technology Changes in Data Centers**
 - Mark Murrill, Director Marketing Enterprise and 400V DC,

Emerson Network Power

- 9:50 am Break
- 3— 10:05 am **Implications for Data Center Assets**

Kelli Batianis-DiPietro, Time Warner-Cable

Alan Schultz, Paradigm Tax Group

Pat Lynch, CBRE



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VALUATION ISSUES I

4 — 10:45 am – **Implications of Elk Hills Power**

Jerome Weinert, AUS Consultants (Moderator)

Peter Michaels, Attorney, Law Office of Peter Michaels

Ruben Miranda, Duff & Phelps

- 11:20 am Break
- 5 11:30 am LTE, The Technology that Killed the Cat:

Lessons from MetroPCS and Cricket

Joe Molina, Ryan (Chair)

Jason Butterworth & Jason Chao, Ernst & Young

Allison Garton, Cricket Communications

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Stephen Yergeau, T-Mobile

LEGACY NETWORKS

6 — 12:05 pm – **Transforming the Local Exchange Network** Lawrence Vanston, TFI

- 12:30 am **Lunch** (provided by TFI)
- 7— $1:30 \ pm$ Transition from TDM to All-IP Network

Bob McKnight, Cost Quest

The Cost of Running the Legacy Network and the Outlook for Shutting it Down, Charles Burkhardt, CostQuest

8 — 2:00 pm – **CAPEX Is Now, but OPEX is Forever**

Kermit Ross, Network Design Decisions Inc.

— 2:20 pm – *Break*

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WIRELESS

9 — 2:30 pm – **5G Cellular: How and Why It Will Differ from 4G**, Dr. Jeffrey Andrews, Professor, Department of Electrical and Computer Engineering, University of Texas at Austin.

- 3:30 am Break
- 10— 3:40 pm Wireless Industry Panel

Gary Wiggins, AT&T

Mike Heaton, Duff & Phelps (for Sprint)

Stephen Yergeau, T-Mobile

Michael Mupo, Verizon

11—4:20 pm – **TFI Wireless Forecast Update**, Ray Hodges, TFI

— 4:35 pm – Break

VALUATION ISSUES II

12— 4:40~pm – Applying Forecasts and Cost Studies in Times of Big Change

Jim Dombrowski, Verizon

Lawrence Vanston, TFI

Don Jackson, DuCharme, McMillen & Associates

Ken Love, Assistant Attorney General, Tax Section, State of Arizona

Robert Davis, Utah Division of Public Utilities

- **5:30 pm** *Day Ends*
- 6:00 pm Lake View Reception (Onsite)



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BROADBAND & VIDEO

CONFERENCE DAY 2: Thursday, January 30, 2014

13—8:30 am – **GigaBit Broadband: Could It/Will It/Should It Change the World, and If So, How?** Dr. William Lehr, Research Scientist, Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology

14—9:30 am – Rolling Out Gigabit: Status and Economic, Jim Stegeman, CostQuest Associates

— 10:00 am – Break

15—10:15 am – Forecast of Online Video and Gigabit Access, Lawrence Vanston, TFI

16—10:30 am – **Impacts on Cable HFC Networks**, Robert Harris, TFI

17— 10:55 am – Google Fiber: Myths, Means and
Motives – Panel
Lawrence Vanston, TFI (Chair)
William Lehr, Massachusetts Institute of Technology
Robert Harris, TFI
Jim Stegeman, CostQuest Associates
— 11:30 am – Break



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VALUATION ISSUES III

18—11:45 am – Trending in Today's Communications World

Christian Altenburger, Comcast (Chair)

Carl Hoemke, Duff & Phelps

Jim Stegeman, CostQuest Associates

Jeff Binkley, Deloitte

19—12:20 pm – **Closing Remarks**

Lawrence Vanston, TFI

- 12:30 pm Conference Ends
- 12:30 pm **Box Lunch and Discussion**
- 1:20 pm Lunch Ends







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