

ATSC *Digital* Television

Transmission System

8-VSB *Measurement* Seminar

Hosted by:

SBE Chapter 48



Friday, May 19, 2006

8:00 a.m. to 5:15 p.m.

University of Denver

Sturm Hall Room 251

2000 E. Asbury Avenue

Denver, CO 80208

Presented by

Gary Sgrignoli

DTV Transmission Engineer

msw

Meintel, Sgrignoli, & Wallace

Phone: 847-259-3352

E-mail: gary.sgrignoli@IEEE.org



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A one-day seminar will be presented on the ATSC's digital television (DTV) vestigial sideband (VSB) transmission system *measurement methodologies*. This seminar, a follow-up to the original VSB Fundamentals seminar, is aimed at broadcasters, broadcast consultants, equipment manufacturers (broadcast, consumer, & test), translator/LPTV operators, and cable operators. The seminar will help you develop a basic understanding of 8-VSB transmission system measurements in the *laboratory*, at a *transmitter* site, and at remote *field* test sites. Practical test equipment information such as features, options, specs, & other performance requirements will be covered. Attendance at this seminar earns one SBE credit towards re-certification and it can facilitate preparation for the SBE *VSB Specialist Certification* exam.

The seminar will focus on the following topics:

- **Brief 8-VSB Transmission System Review**
- **Basic Measurement Concepts**
 - Power meters
 - Spectrum analyzers
 - Clock frequency & jitter analyzers
- **VSB LABORATORY Measurement Methodologies**
 - Concepts, equipment requirements, specs, etc.
- **VSB TRANSMITTER Measurement Methodologies**
 - Concepts, equipment requirements, specs, etc.
- **VSB FIELD Measurement Methodologies**
 - Concepts, equipment requirements, specs, etc.

Questions?

Contact: Scott Barella
Chapter 48
Phone: (303) 858-9817
E-mail: scottb@burstvideo.com

Contact: **Gary Sgrignoli**
Meintel, Sgrignoli, & Wallace
Phone: (847) 259-3352
Email: Gary.Sgrignoli@IEEE.org

Time for **Q and A** will not only be *allowed*, but *encouraged* throughout the all-day Power Point presentation. In-depth seminar notes (600-page book with copy of Power Point slides plus appendix of reference articles) will be handed out to all attendees to take home. A **box lunch** will be provided. Dress will be *casual*.

Enrollment is limited, so please RSVP soon.

Cost is **\$85** for members; **\$135** non-members;

Make checks *payable* to: **SBE Chapter 48**
This seminar is open to the public

Hurry! Enrollment is LIMITED!

Registration Form

Contact name

Company

Address

City

State

Zip

Phone

Fax

E-mail Address

(Registration will be verified by e-mail, whenever possible, along with detailed campus map)

Please enclose \$85 for *each SBE* registrant and \$135 for each non-member registrant and send in by Friday 5/12/06.

List names below:

- 1) _____
- 2) _____
- 3) _____
- 4) _____

Method of payment:

Total enclosed

Check or money order enclosed *payable* to: **SBE Chapter 48** \$ _____

FAX credit card info: **VISA** **MC** # _____

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Mail Payment To:

Jim Schoedler (SBE Chapter 48)

1089 Bannock Street

Denver, CO 80204

303-892-6666

E-mail:

jim_schoedler@krma.pbs.org

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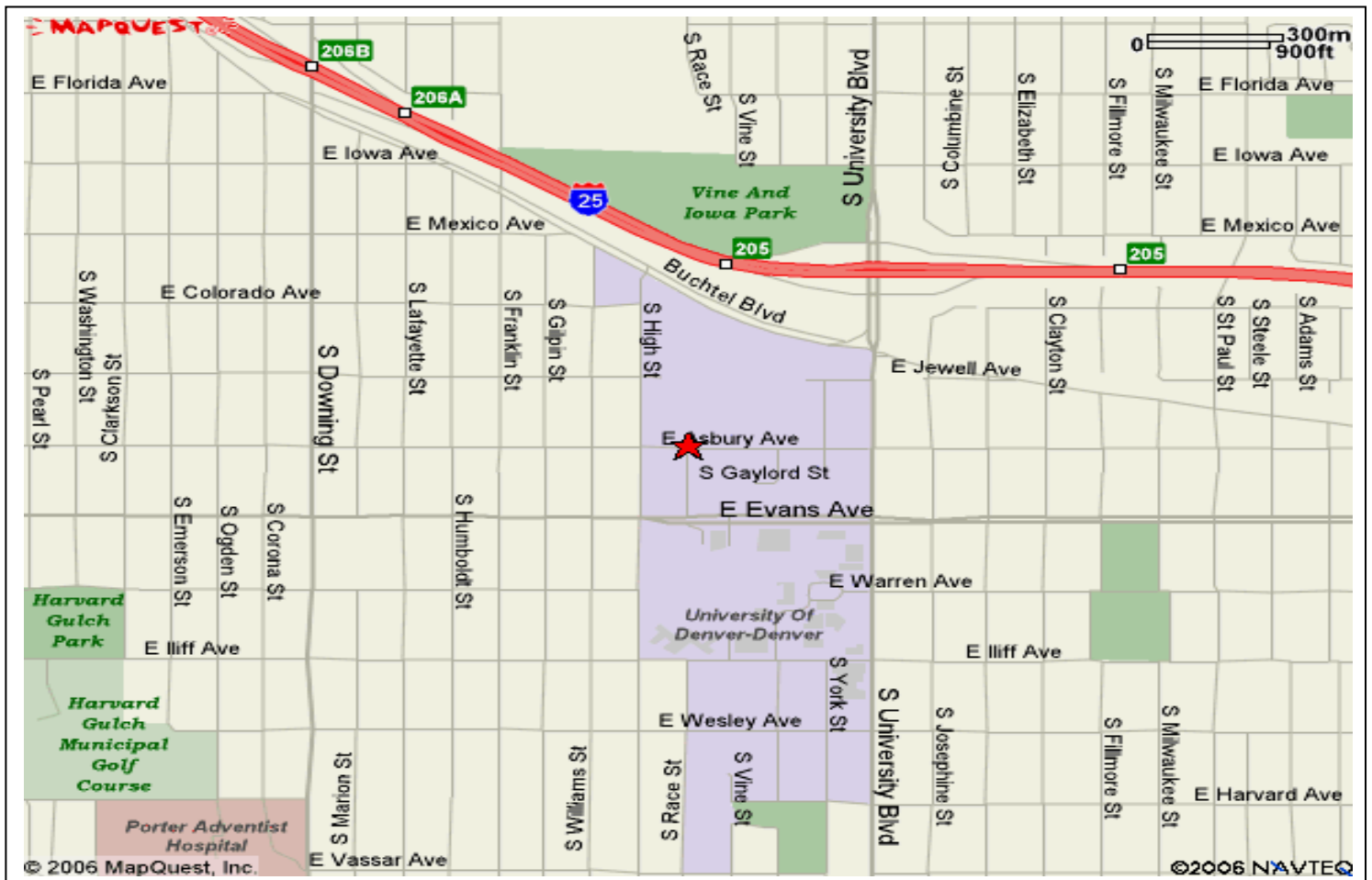
8:00 a.m. to 5:15 p.m.

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Parking Information

Parking available for \$6.00

303-892-6666

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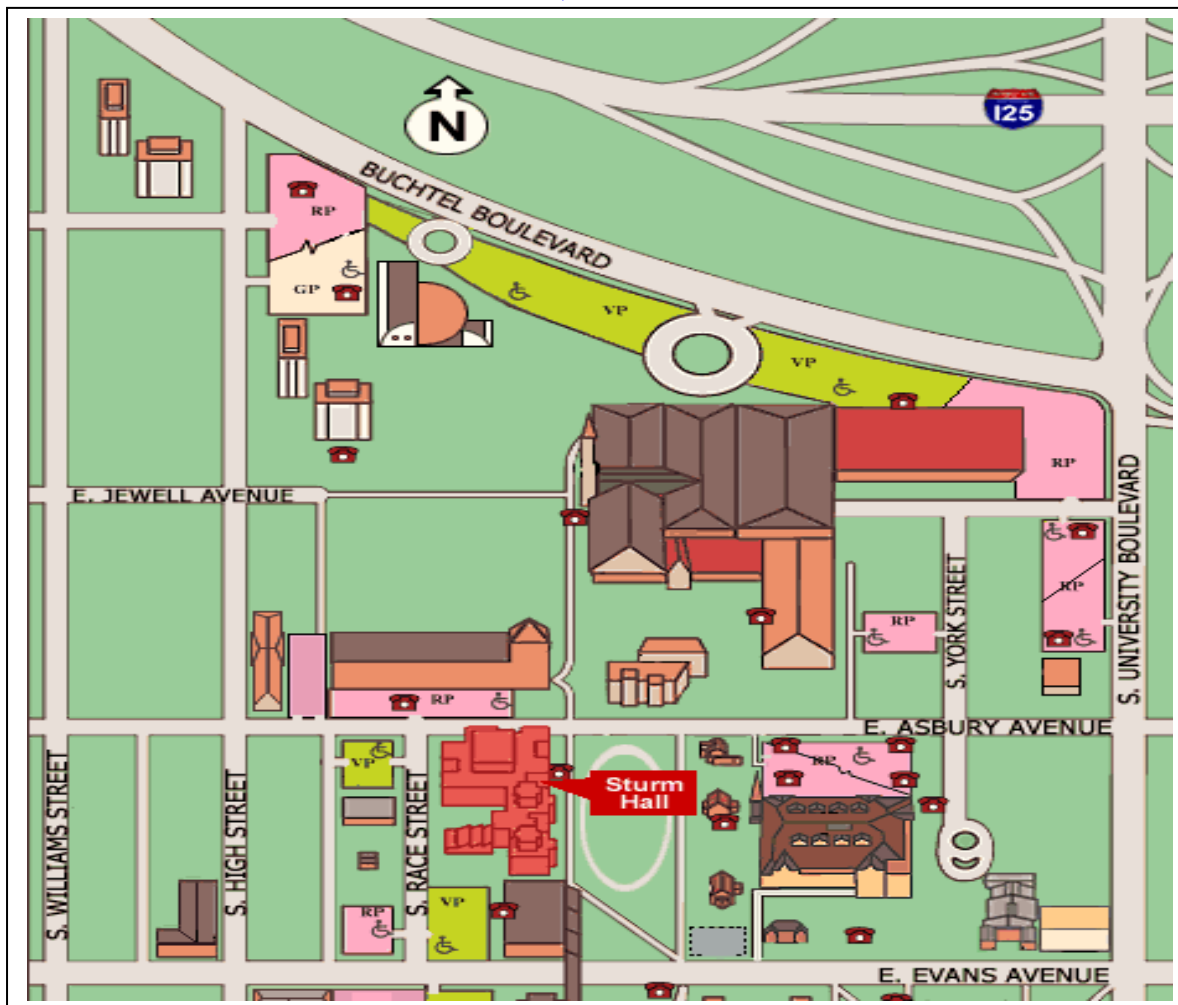
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