

# ATSC *Digital* VSB

## *Measurements*

### TRANSMISSION SYSTEM SEMINAR

Hosted by:

**SBE Chapter 16**



and

**University of Washington** (Video & TV Technologies)

**Tuesday, February 13, 2007**

8:30 a.m. to 5:45 p.m.

**University of Washington**

Douglas Classroom – Center for Urban Horticulture

**3501 NE 41<sup>st</sup> Street**

**Seattle, WA 98105**

*Presented by*

**Gary Sgrignoli**

DTV Transmission Engineer



Phone: 847-259-3352

E-mail: [gary.sgrignoli@IEEE.org](mailto:gary.sgrignoli@IEEE.org)



Sponsors:

**Hatfield &  
Dawson**



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#5**

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: **Steve Lockwood**  
Hatfield & Dawson

Phone: 206-783-9151

E-mail: lockwood@hatdaw.com

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Contact: **Gary Sgrignoli**  
Meintel, Sgrignoli, & Wallace

Phone: (847) 259-3352

Email: Gary.Sgrignoli@IEEE.org

Time for Q and A will be allowed and encouraged throughout the all-day Power Point presentation. An 800-page in-depth seminar notes and reference material will be handed out to all attendees. A box lunch will be provided. Dress will be casual.

**Enrollment is limited, so please RSVP *soon*.**

Cost is **\$65** when pre-registered; **\$75** at the door;

Make checks *payable* to: **SBE Chapter 16**

This seminar is open to the public

**Hurry! Enrollment is LIMITED!**

## Registration Form

**Please enclose \$65 for *each* registrant;  
Checks must be received no later than Wednesday 2/7/07**

**List names below:**

\_\_\_\_\_

Contact name

1) \_\_\_\_\_

\_\_\_\_\_

Company

2) \_\_\_\_\_

\_\_\_\_\_

Address

3) \_\_\_\_\_

\_\_\_\_\_

City

State

Zip

4) \_\_\_\_\_

Method of payment:

Total enclosed

\_\_\_\_\_

Phone

Fax

Check enclosed *payable* to: **SBE Chapter 16** \$\_\_\_\_\_

\_\_\_\_\_

E-mail Address

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

**Mail Payment To:**

**SBE Chapter 16  
c/o Steve Lockwood  
Hatfield & Dawson  
9500 Greenwood Ave North  
Seattle, WA 98103**

**E-mail:**

lockwood@hatdaw.com

**FAX:**

206-783-9151

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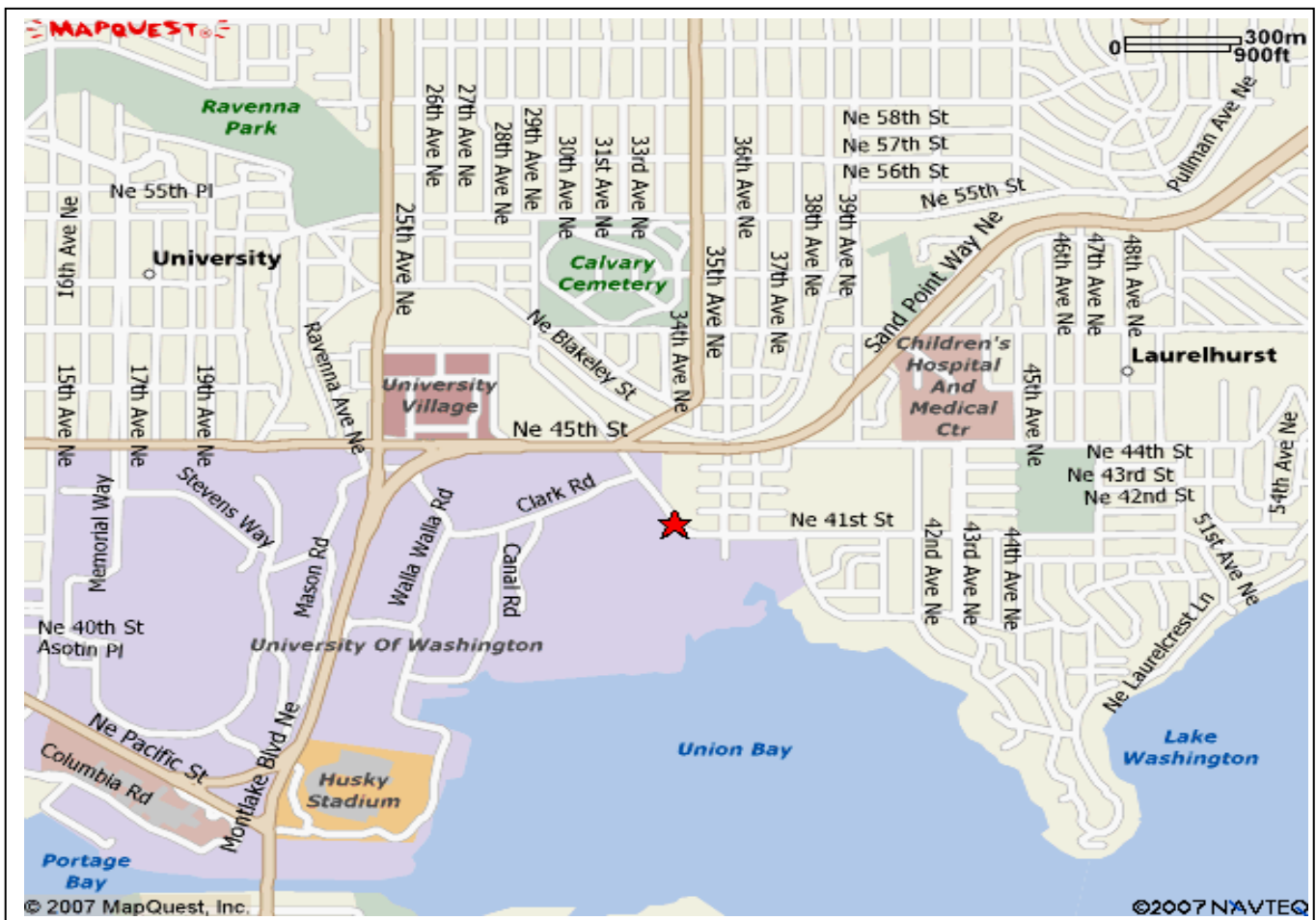
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### **Parking Information**

University Pay Lots & Street Parking available