

Meet NeSSI !



Our NeSSI (New Sampling/Sensor Initiative) is not a monster, but it does offer a possible solution to many of your online process analytical sampling monsters of the past. It is a compact, smart, and modular approach to process sampling.

Are you still interested? If you are, consider attending the ISA2001 Conference Technical Sessions # 090 (NeSSI Tutorial) and/or 091 (Panel Discussion) on Monday. Then on Tuesday the Center for Process Analytical Chemistry (CPAC) at the University of Washington and the ISA Analysis Division (AD) would like to invite you to attend an open meeting, "New Sampling/Sensor Initiative (NeSSI) Meeting", 1:30 p.m. – 4:00 p.m., in Conference Center Room 311A. In order to make the best use of everyone's time, we will not spend a lot of time reviewing the SP76 and NeSSI Sampling concepts during the open meeting, but even if you are a NeSSI novice and couldn't attend any of our earlier presentations/meetings you are still invited. The main purpose of the open meeting is to advance the technology and identify areas of concern and the areas and ways that we are ready to continue moving forward. This meeting should be of special interest to equipment vendors, end users, and systems integrators who are involved with Online Process Analysis Sampling.

If you can't attend, but want to learn more about NeSSI, please check out the following references:

- The NeSSI portion of the CPAC web site at www.cpac.washington.edu
- The ISA Draft Standard - ISA Draft 76.00.03 , "**Modular Component Interfaces for Surface-Mount Fluid Distribution Components--Part 2: Elastomeric Seals**"
- "**The New Sampling/Sensor Initiative**", Terence K. McMahon, Control, August/2001, Vol XIV, No. 8, page 158
- "**Molding the Future of Process Analytical Sampling**" , Ellen Fussell, InTech, August/2001, page 32

On the back of this flyer, you will find a copy of the preliminary proposed agenda for Tuesday's open meeting.

NeSSI Open Session

September 11th, 2001

Room 311A, Convention Center

1:30 - to about 4:00 PM

Tuesdays meeting is not a part of the Official Technical Program. It is a working meeting to both inform and hopefully advance these technologies.

1:30 PM. Intro & Review of 3 questions.

1:45 PM. Discussion/Breakout Groups**

- **Hazardous Area Classification for Generation II Miniature/Modular Sample Systems**

- Issues with Div/Zone 1

- Does that mean I.S. only? Other protection methods?

- **A Wireless/Wired Communications Bus and Role of SAM (Sensor Analytical Mgr.) for Generation II Miniature, Modular Sample Systems**

- What are the issues and concerns to implementation?

- How can they be minimized or eliminated?

- **Sensor/Actuator “Smart” Issues for Generation II Sample Systems**

- A digital/smart device (sensor or actuator) needs what functionality?

- Who are potential developers/providers of chemical and physical sensors?

2:45 PM. Summarize & Windup Group Results.

3:00 PM. Break.

3:10 PM. Report results of the 3 breakout groups to the audience.

What's New in Miniature, Modular Components..

3:30 - Quick update by suppliers of components Autoflow, Circor International,

4:00 PM. Kinetics, Parker-Hannifin, & Swagelok. [5 minutes each]