



AUGUST 20-24 2018

TESTING & TROUBLESHOOTING OF I&C SYSTEMS FOR NUCLEAR FACILITIES

WHO SHOULD ATTEND?

The course is designed for utilities, vendors, educators, and regulators involved with nuclear power plants, research reactors, fuel fabrication facilities, national and international laboratories, and universities.

LOCATION AND DATE

The course will be held over the week of August 20 – 24, 2018, at the AMS campus in Knoxville, Tennessee, USA.

HANDS-ON TRAINING

All course modules include hands-on work with state-of-the-art test equipment, hardware, software demonstrations, and interactive discussions.

INSTRUCTORS

The course modules are taught by senior AMS engineers led by company president Dr. H.M. Hashemian. The instructors have between 10 and 30 years of experience and have worked in nuclear power plants worldwide.

AREA ATTRACTIONS

AMS is located less than 1 hour from the beautiful Smoky Mountain National Park, the country's most visited national park. The resort city of Gatlinburg is less than an hour away and the Music City of America, Nashville, Tennessee, is only 3 hours away.

COURSE FEE

Each day costs a base-rate of \$400. Discounts are provided for attending multiple days. The following chart details our multiple-day rates:

<u>1 Day</u>	<u>2 Days</u>	<u>3 Days</u>	<u>4 Days</u>	<u>5 Days</u>
\$400	\$700	\$900	\$1,000	\$1,100

For every two registered attendees from the same organization, the third is half price, and the fourth is at no additional cost.

WHERE TO STAY

There are many hotels near AMS; Country Inn & Suites is located within walking distance of the AMS campus:

www.countryinns.com/knoxville-hotel-tn-37923/tnknxcd

REGISTRATION INFORMATION

Please contact Kate Davy at kate@ams-corp.com or call 865-691-1756, ext. 151.



COURSE CONTENT / MODULES

DAY 1: I&C Fundamentals

- Dynamic Sensor Testing
- Online I&C Monitoring

DAY 2: Automated I&C Maintenance

- Fundamentals of Temperature and Pressure Instrumentation of Nuclear Power Plants
- Online Calibration Monitoring of Pressure, Level, and Flow Transmitters
- In-Situ Response Time Testing of Temperature and Pressure Sensors

DAY 2: EMC and Wireless

- EMC Qualification Testing
- EMI Troubleshooting
- Wireless Technology Implementation

DAY 4: Rod Control System Testing

- Fundamentals of Rod Control in PWRs
- Rod Movement Measurement and Diagnostics
- Control Rod Drive Mechanism (CRDM) Troubleshooting
- Control Element Drive Mechanism (CEDM) Troubleshooting

DAY 5: Cable Condition Monitoring

- Troubleshooting of Nuclear Instrumentation
- Cable Testing Technologies Systems (NIS)
- Aging Management of Cable Insulation Material

Please visit www.ams-courses.com for more information.

ANALYSIS AND MEASUREMENT SERVICES CORPORATION

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