

Training course

Metrology for trace water in ultra-pure process gases

7th of March 2024

VENUE: in person meeting

Morning - *Golf Club Settimo, strada Cebrosa 166 Settimo Torinese (TO)*

Afternoon - *Nippon Gases, via Marie Curie 134/D Chivasso (TO)*

- 08:45 - 09:00** Registration, meeting opening and introduction of attendants
- 09:00 - 09:30 Quality assurance in the production of pure process gases at Nippon Gases
Stefano Boggio - Nippon Gases
- 09:30 - 09:50 **PROMETH2O**: a project overview
Vito Fericola - INRiM
- 09:50 - 10:10 Tips and tricks for traceable humidity measurements
Eric Georgin - CETIAT
- 10:10 - 10:40** ☐ **Coffee Break**
- 10:40 - 11:00 From ideal to real gas mixtures: what we need to know?
Shahin Tabandeh - VTT
- 11:00 - 11:20 Trace water measurements: practical considerations
Domen Hudoklin - UL
- 11:20 - 11:40 Trace water measurements: technology and solutions
Thomas Klein - Process Insight
- 11:40 - 12:00 In-situ dew point measurements: no need to worry about sampling uncertainties?
Hannu Sairanen - Vaisala
- 12:00 - 12:30 Round table about the future of humidity measurements
- 12:30 - 14:30** ☐ **Lunch**
- 14:30 - 15:30 | Group A - Lab tour (Stefano Boggio - Nippon Gases)
| Group B - FPG & Humidity Sensor demonstration - (Ned Hawes - Qrometric)
- 15:45 - 16:15** ☐ **Coffee Break**
- 16:15 - 17:45 | Group A - FPG & Humidity Sensor demonstration - (Ned Hawes - Qrometric)
| Group B - Lab tour (Stefano Boggio - Nippon Gases)
- 17:45 - 18:00** ☐ **Meeting closure**