

Workshop

Improved measurement standards for humidity at high temperatures: impact on the industry

INRIM, Strada delle Cacce 91, Torino, Italia
Thursday, 12th July 2018

Provisional Agenda

08.30	Registration of participants and Welcome
09.00	Introduction to HIT JRP and partners (V. Fericola, INRIM)
Session 1	Application of humidity measurements in industrial process and quality control <i>Chair: V. Fericola, INRIM</i>
09.30	Keynote: Industry needs of reliable humidity measurements in pulp and paper industry (TBC)
09.50	New humidity calibration methods for industrial implementation (A. Peruzzi, VSL)
10.10	A new dTDLAS hygrometer for transient humidity measurements (H. Bohlius, PTB)
10.30	Process humidity measurements at high temperature (E. Georgin, LNE-CETIAT)
10.45	Coffee break
Session 2	Case studies/field application of developed technologies <i>Chair: Jan Nielsen, DTI</i>
11.10	Keynote: Humidity measurement needs in the biopharma industry (F. Conicella, BioIndustry Park)
11.30	Traceable humidity measurements in the pharmaceutical industry (R. Högström, VTT)
11.45	Monitoring of humidity conditions during hazelnut processing (L. Cavallarin, CNR)
12.00	Monitoring water activity in food and feed production (H. Kjeldsen, DTI)
12.15	Monitoring of humidity conditions in the dairy industry (W. van Schaik, Innovation Handling)
12.30	Discussion and perspectives
13.00	Closing
13.10	Light Lunch

The workshop is open to industrial and societal stakeholders interested in:

- humidity measurements at high temperatures
- calibration, testing and maintenance of humidity measuring instruments
- in-line and transient humidity measurements

Industrial sectors that may be interested are:

- drying
- baking
- testing and maintenance
- packaging and storage
- food processing
- paper, wood and timber
- humidity and air temperature labs
- textiles
- ceramics
- pharmaceuticals

Registration

The participation to the workshop is free of charge, only registration is needed by **Thursday 5th of July**.

For the registration follow this link: <https://sites.google.com/inrim.it/hit-2018/>

Venue

Istituto Nazionale di Ricerca Metrologica (INRiM)
Strada delle Cacce, 91
10135 Torino, Italy

Getting to Torino

By plane

From Torino Caselle Airport

Torino city centre can be reached by bus or by taxi. Renting a car is also possible.

The bus service is operated by SADEM company (<http://www.sadem.it/en/prodotti/collegamento-aeroporti.aspx>) and it connects the airport to Torino railway central station Porta Nuova. The bus stop is just in front of the arrival exit of the airport. Tickets can be purchased at the ticket office or at the automatic ticket-machine close to the exit.

Travel time from the Airport to the town centre is about 40 minutes. Bus timetable:

<http://www.sadem.it/media/6355/000268.pdf>

Taxi service is also provided outside the terminal. The single way fare to go to the centre is approximately € 40 by day and € 55 by night. Travel time to Turin centre is about 20 minutes, about 30-40 minutes during rush hours.

From Milano Malpensa Airport

Torino city centre can be reached by bus, train or taxi.

The bus service is operated by SADEM company (<http://www.sadem.it/en/prodotti/collegamento-aeroporti.aspx>) and connects Milano Malpensa airport to Torino railway central station Porta Susa. Tickets can be purchased at the ticket office or at the automatic ticket-machine.

Travel time from Milano Airport to the Torino city centre is about 2 hours. Bus timetable: <http://www.sadem.it/media/5191/000020.pdf>

By train

The two main railway stations in Torino are Torino Porta Nuova and Torino Porta Susa (<http://www.trenitalia.com/tcom-en>).

Connections between Milano city centre and Torino are provided by High Speed Train lines:

FRECCIAROSSA Trenitalia: <http://www.trenitalia.com/tcom-en>

ITALO Ntv: http://www.italotreno.it/?sc_lang=en

Travel time is about 1 hour.

Getting to INRiM

Public transport lines (<http://www.gtt.to.it/cms/en/>):

bus number 63 (BOVETTI STOP, in front of INRiM)

tram number 4 (BISCARETTI STOP), about 15 minutes walk from INRiM.

Tickets can be purchased at the news-stands and tobacconists. Price of one ticket is € 1.5, one ticket is valid for the whole urban network for 90 minutes validating it using the machines on board.

Suggested hotels

In Turin downtown:

Best Western Hotel Genova

Via Paolo Sacchi 14/B, 10128 Torino

Tel: +39 011 5629400

E-mail: genova.to@bestwestern.it

Grand Hotel Sitea

Via Carlo Alberto 35, 10123 Torino

Tel. + 39 011 51 70 171

E-mail: info@grandhotelsitea.it

Reservation: booking@grandhotelsitea.it

Close to INRiM:

Hotel Cristallo

Corso Traiano 28, Torino

Tel: +39 011 618383

E-mail: contact@hotelcristallotorino.eu

Please, have a look on [booking.com](http://www.booking.com), it is always useful and usually Turin's hotels offer great discounts on this website.