

## Stakeholder workshop

### on the future European infrastructure in nanometrology

The definition a European strategy for the coordination of nanometrology in Europe requires advice on the investments in the future nanotechnological infrastructure. The workshop announced here offers the opportunity to actively contribute to the strengthening of existing and establishment of new infrastructures. A coherent pan-European overview of organisations and associated capabilities in nanometrology is presented to initiate the discussions. Along with further data gathered by the Co-Nanomet Consortium and additional input from experts in the field, the future needs, possible bottle necks, and guidelines are to be declared. The meeting is held by Danish Fundamental Metrology (DFM) in Copenhagen/Denmark on the 23rd/24th of September 2010 with speakers and key stakeholders from a wide range of nanotechnological services and applications.

**Registration deadline: September 15<sup>th</sup> 2010**

Please register by email using the contact details below

### Program

**23<sup>rd</sup> of September 2010**

#### **Workshop introduction and motivation**

- 12:00 - 13:00 Registration / lunch buffet
- 13:00 - 13:15 Welcome and Workshop motivation (Dr. Kai Dirscherl, DFM)
- 13:15 - 13:45 3D nanometre metrology (Dr. Henny Spaan, euspen)
- 13:45 – 14:00 Short contribution of stakeholders, discussion

#### **Case Study Session: The existing semi-conductor infrastructure**

- 14:00 – 14:30 On the history and the political framework (Dr. Olaf Fortagen, Vistec)
- 14:30 – 15:00 Adapting new technical and metrological advances (Dr. Johann Foucher, CEA-Leti)

- 15:00 – 15:30 **Coffee break**

#### **Towards a new infrastructure**

- 15:30 – 15:50 European Strategy and current infrastructure (Dr. Richard Leach, NPL)
- 15:50 – 16:00 Short contribution of stakeholders, discussions
- 16:00 – 16:20 Contributing to the future infrastructure: Centre of Electron Nanoscopy (Dr. Andy Horsewell, CEN)
- 16:20 – 16:30 Short contribution of stakeholders, discussions
- 16:30 – 16:50 Shaping the future European metrology landscape (Dr. Jörn Stenger, Euramet)
- 16:50 – 17:00 Short contribution of stakeholders, discussions
- 17:00 – 17:15 Summary day 1 (Dr. Kim Carneiro, DFM)
- 19:00 Dinner

24<sup>th</sup> of September 2010

- 9:00 - 9:20 Gap analysis of current European nanometrology (Dr. Kai Dirscherl)
- 9:20 - 9:30 Short contribution of stakeholders, discussions
- 9:30 - 9:50 Political options for the future of infrastructure (Representative of the commission, to be announced)
- 9:50 - 10:00 Short contribution of stakeholders, discussions
- 10:00 – 11:00 Visit to laboratories
- 11:00 – 12:30 Brainstorming on future investment strategies
- Discussion of the main 10 – 20 bulletpoints, collected in the past two days
- 12:30 – 13:30 Lunch
- 13:30 – 14:45 Brainstorming continued, roll back to first session if required
- 14:45 – 15:00 Conclusions and closing

## Venue:

Danish Fundamental Metrology  
Matematiktorvet 307  
DK-2800 Lyngby  
Denmark

GPS: N 55.7845 / E 12.5183

## Contact:

Dr. Kai Dirscherl  
kdi@dfm.dtu.dk, +45 4525 5878  
www.dfm.dtu.dk



## Transportation from Copenhagen airport to DFM/Lyngby:

### Taxi:

It is a 30-45 minutes ride, roughly 550 DKK (~70 EUR).

### Public Transport:

Approx. one hour and 15 minutes. You can take the Metro from CPH to the station "Nørreport", where you change to the S-train lines B or E, in the direction of "Holte" or "Lyngby/Hillerød". Get off at S-train station Lyngby, and choose a bus line 300S "Nærum" or 590E(591E) "DTU". Bus 300S services also the Scandic Hotel on its way to DFM.

The central bus station "DTU" of the Technical University of Denmark is closest to DFM. From the bus stop it is only a one-minute-walk to DFM.

## Possible accommodation:

<http://www.scandichotels.com/en/Hotels/Countries/Denmark/Copenhagen/Hotels/Scandic-Eremitage/>  
(several bus lines available 300S, 330E, 590E, no change required)

<http://www.gentoftehotel.dk/>

(5 min walk to nearest S-train, from the next station the same buses as above)

<http://www.fortunen.dk/>

(bus to the nearest S-train, from the next station the same busses as the first option)