

## Pillar 3

### Session 3.6 Metrology - next steps

## Kamal Hossain

### International Director

### National Physical Laboratory



International Director, National Physical Laboratory(NPL), UK

Kamal Hossain joined NPL after completing a PhD in physics at the Cavendish Laboratory, Cambridge University. Kamal's research centred on the use of high-resolution electron microscopy and nanotechnologies to understand the relationships between microstructure of advanced materials and their performance in aggressive environments.

In 2000, as NPL's Research Director, Kamal became responsible for the strategic development of NPL's scientific research and developing partnerships with academia, business and government. In 2008, he took on the additional role of leading NPL's international work and became the Research and International Director until 2016. Kamal now works part-time as the International Director with special responsibilities for Asia.

Kamal has extensive experience of advisory work for the Government, the EU and UNIDO, serving on a range of national and international committees. He chaired the G7 initiative on Advanced Materials and Standard, known as VAMAS.



He was a member of the EU's Advisory Committee for the Sixth and the Seventh Framework Programme over ten years, and served on standards committees for nanotechnologies. Kamal has played a pioneering role in integrating research and standards in CEN.

In 2008, he was elected as a member of the Board of the European Association of Metrology Institutes (EURAMET). Kamal then became Chairperson of EURAMET during 2012-15. He led the development and establishment of a 600 Million Euros Metrology and Innovation Research Programme (EMPIR) with a strong emphasis on achieving impact under Horizon 2020, as well as a Strategic European Research Agenda in Measurement.

Kamal is a Fellow of the Institute of Physics, and has a visiting Chair at the University of Surrey in the Faculty of Engineering and Physical Sciences. In 2009, Kamal was awarded an OBE by the Queen for services to industry.

