## Scientific Steering Committee Members

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<tr>
<th>Name</th>
<th>Affiliation</th>
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<tr>
<td>Thomas Bruns</td>
<td>Physikalisch-Technische Bundesanstalt</td>
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<tr>
<td>Fredrik Arrhen</td>
<td>SP Measurement Technology Institute of Sweden</td>
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<td>Trevor Esward</td>
<td>National Physical Laboratory</td>
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<tr>
<td>John Wright</td>
<td>National Institute of Standards and Technology Chemical Science and Technology Laboratory</td>
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<td>Jean-Rémy Filz</td>
<td>Laboratoire national de métrologie et d'essais</td>
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<td>Takashi Usuda*</td>
<td>National Metrology Institute of Japan NMIJ/AIST</td>
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<tr>
<td>Nick Fletcher**</td>
<td>Electric Department Bureau international des poids et mesures</td>
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* Chair of the Scientific Steering Committee
** Scientific Secretary for the Committee
Dr. Takashi USUDA  
Director of Metrology Management Center  
National Metrology Institute of Japan (NMIJ)  

CIPM member

• APMP TCAUV Chair (2009-2011)  
• CCAUV Japanese Delegate  
• ISO TC108 (Mechanical vibration, shock and condition monitoring) SC3 (Use and calibration of vibration and shock measuring instruments) Japanese Delegate
Dr. John D. Wright  
Mechanical Engineer  
National Institute of Standards and Technology

- Chairman of the Working Group for Fluid Flow (2010 to present)

- Member of ASME, ASTM, API, US Work Group for the Development of Hydrogen Measurement Standards, FLOMEKO organizing committee

- Technical interests: modeling of critical flow venturis, laminar flow meters, and turbine meters; fluid property effects on flow meters; primary gas flow standards; response of flow meters in transient flow conditions
Dr. Thomas Bruns  
Scientist (Physicist) and Working Group Leader  
PTB (Germany)  

- Chairman of IMEKO/TC 22 “Vibration Measurement”  
- Convenor of SC-Vibration of EURAMET TC-AUV  
- German Expert in CCAUV and Chairman of Key comparison WG of CCAUV  
- German delegate to ISO TC108 (Mechanical vibration, shock and condition monitoring) SC3 (Use and calibration of vibration and shock measuring instruments, Convenor of WG6)  
- Coordinator of the EMRP-JRP “Traceable Dynamic Measurement of Mechanical Quantities”
Dr. T J Esward  
Principal Research Scientist  
National Physical Laboratory, UK

• Currently works in Electronics and Modelling Group of NPL’s Materials Division

• Leads mathematics and statistics work package of EURAMET EMRP project IND09: Traceable dynamic measurement of mechanical quantities

• Technical interests: simulating physical systems and measurement instruments, signal processing, networks and distributed systems, data fusion
Dr. Jean-Remy FILTZ
Photonics and Energy Division, Head
Centre for Scientific and Industrial Metrology
Laboratoire national de métrologie et d’essais France (LNE)

- Euramet TC-T, TPM Chair, French Delegate
- CCT, WG TPM, French Delegate
- CCPR, French Delegation
- ISO TC 92 (Fire Safety) SC1 (Fire initiation and growth), French Delegation

- Topics of Interest: Thermal and Optical Metrology, Fire Metrology, Radiative properties of materials, Energy Metrology
Mr. Fredrik Arrhen  
Research Scientist  
SP Technical Research Institute of Sweden  

• Currently works in Pressure and Vacuum Group of SP’s Metrology division  

• participates in pressure work package of EURAMET EMRP project IND09: Traceable dynamic measurement of mechanical quantities  

• Technical interests: pressure and vacuum measurements,  
• industrial applications, metrology infrastructure
Mr Nick FLETCHER
Physicist, Electricity Department
Bureau International des Poids et Mesures (BIPM)

- Responsible for BIPM’s services in electrical capacitance
- Research interests in calculable capacitor project and quantum Hall effect