



# PhD in Metrology XXXVIII Cycle Presentation

**04/05/2022, 2:30 pm**



**Politecnico  
di Torino**



**Zoom  
Meeting  
[urly.it/3n4m7](https://urly.it/3n4m7)**



# PhD Course in Metrology

## XXXVIII Cycle Presentation

### May 4, 2022

## PROGRAMME

2:30	Introduction <b>Pietro Asinari</b> , INRIM Scientific Director
2:35	Presentation of the PhD Course in Metrology <b>Oriano Bottauscio</b> , INRIM Researcher and Deputy Coordinator of the PhD Course in Metrology
2:45 - 3:15	<b>Research topics proposed by INRIM Researchers</b>  <b>Andrea Sosso</b> <i>Quantum volt</i>  <b>Marco Pisani</b> <i>The realisation of the SI mass unit through the Planck constant (Planckilogram)</i>  <b>Alessandro Germak</b> <i>Ultra-high Precision Absolute Earth Gravity Measurements</i>  <b>Marco Genovese</b> <i>Optical Quantum Technologies</i>  <b>Leonardo Mortati</b> <i>Measurements of microplastics in environmental samples through advanced and standard optical microscopy techniques</i>
3:15 - 3:30	<b>Students' stories from past editions of the PhD Course in Metrology</b>
3:30 - 4:00	<b>Research topics proposed by INRIM Researchers</b>  <b>Filippo Levi</b> <i>Transportable Yb Optical Clock</i>  <b>Luca Oberto</b> <i>Design and characterisation of a measurement system for scattering parameters at cryogenic temperatures for the characterisation of microwave quantum devices</i>  <b>Emanuele Enrico</b> <i>Quantum correlations fingerprint of microwave signals for illumination protocols beating classical limits – Quantum Radar</i>  <b>Marco Coisson</b> <i>Measurement of dynamic magnetic properties in 3D printed magnetic materials for energy applications</i>  <b>Gianni Durando (in collaboration with Istituto Neurologico Carlo Besta)</b> <i>Ultrasound mediated neuromodulation: a metrologic approach</i>
4:00 - 4:15	<b>Questions &amp; Answers</b>