

World Metrology Day

Measurement for Health



20 Maggio 2021
www.worldmetrologyday.org

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WORKSHOP

Sala 1 Salute e Metrologia: viaggio tra diagnostica e tecniche terapeutiche

14:00 - 14:10
Presentazione dei workshop

14:10 - 14:25
MRI safety for patients carrying implants
Oriano Bottauscio (INRiM)

14:25 - 14:40
Magnetic resonance-based electric properties tomography
Alessandro Arduino (INRiM)

14:40 - 14:55
Magnetic hyperthermia: nanomaterials and nanoscale measurements for biomedicine
Marco Colsson (INRiM)

14:55 - 15:10
Magnetic hyperthermia: in silico experiments to guide nanomaterial design and pre-clinical tests
Riccardo Ferrero (INRiM)

15:10 - 15:25
A metrological approach to the physical monitoring of nanocarriers activated by ultrasound for drug delivery
Adriano Troia (INRiM)

15:25 - 15:40
Low intensity ultrasound for applications in MRI-guided drug release
Enzo Terreno (Dipartimento di Biotecnologie Molecolari e Scienze per la Salute - Università degli Studi di Torino)

15:40 - 16:30
Tavolo di discussione

WORKSHOP

Sala 2 Salute e Metrologia: viaggio tra sicurezza alimentare, virus e microscopia avanzata

14:00 - 14:10
Presentazione dei workshop

14:10 - 14:25
Quantum Sensing with color centers in diamond
Ettore Bernardi (INRiM)

14:25 - 14:40
Active materials with antibacterial and antioxidant properties
Chiara Portesi (INRiM)

14:40 - 14:55
Determination of sulfur dioxide allergen in food
Francesca Durbiano (INRiM)

14:55 - 15:10
Combination of Raman Spectroscopy and dielectrophoresis for rapid analysis of bacteria, virus and nanoplastics
Alessio Sacco (INRiM)

15:10 - 15:25
SARS-CoV-2 RNA quantification by digital PCR: a metrological perspective
Carla Divieto (INRiM)

15:25 - 15:40
Advanced microscopy techniques for tissue engineering and biomedical applications
Leonardo Mortati (INRiM)

15:40 - 16:30
Tavolo di discussione