

## **Session Program**

**17-23 May 2026**



# **GWADW2026 - Gravitational-Wave Advanced Detector Workshop**

## ***Thermal Noise***

Hotel Hermitage, La Biodola, Isola d'Elba

# Wednesday 20 May

09:00

## Thermal Noise

**Session** | **Location:** Hotel Hermitage, La Biodola, Isola d'Elba

09:00–09:18

### Status of Glasgow/Strathclyde amorphous coatings research for Advanced GW Detectors

**Speaker**

Margot Hennig

09:18–09:36

### Cryogenic loss angle of ion-beam sputtered SiNx thin films

**Speaker**

Dr L. O. Mereni

09:36–09:54

### Crystallization kinetics in Ta2O5 coatings

**Speaker**

Dr Valeria Milotti

09:54–10:12

### The Dawn of Low Thermal Noise Coatings for Room Temperature and Cryogenic Gravitational Wave Detectors: A Path to 30 cm AlGaAs

**Speaker**

Steven Penn

10:12–10:30

### Results from the MIT Coating Thermal Noise facility

**Speaker**

Peter Fritschel

10:30

11:00

## Thermal Noise

**Session** | **Location:** Hotel Hermitage, La Biodola, Isola d'Elba

11:00–11:18

### Low-loss dielectric metasurface mirror for precision optical cavities in the near-infrared

**Speaker**

Swadha Pandey

11:18–11:36

### High Frequency Thermal Noise in Michelson Interferometers

**Speaker**

Mr Daniel Grass

11:36–11:54

### Vertical suspension thermoelastic noise

**Speaker**

Prof. Kentaro Somiya

11:54–12:12

### Suspensions for A#

**Speaker**  
Brian Lantz

12:12-12:30

**Experimental Validation of Cryogenic Suspensions with Silicon Fibres for Next-Generation Gravitational Wave Detectors**

**Speaker**  
Ardiana Nela

12:30