

GW Detector Modelling and Controls Workshop

Tuesday, July 14, 2026 - Saturday, July 18, 2026

IUCAA, Pune, India

Scientific Program

Below are tentative topics that we expected to cover in this workshop.

GW interferometer simulations

Frequency domain modeling

Time domain modeling

Feedback control system

System identification

Transfer function or response function measurements

Servo filter design

Single stage and multi-stage suspensions

Dual recycling Interferometers with minimal degrees of freedom

AI / ML in control system design