

Session Program

27 September 2026 to 2 October 2026

GADEST 2026

Low dimensional Semiconductors

GADEST 2026 - San Servolo Island, Venice (Italy)

Thursday 1 October

13:40

Low dimensional Semiconductors

Session | Location: Auditorium Hall

13:40–14:20

Dopant atom engineering quantum dot single-electron transistors and memory in silicon

Speaker

Prof. Zahid Durrani

14:20–14:40

Tuning Kondo effect via two-dimensional confinement in highly doped silicon-on-insulator

Speaker

Gabriele Seguini

14:40–15:00

Engineering 1DEG system in pure silicon

Speaker

Teimuraz Mtchedlidze (Mchedlidze)

15:00–15:20

Exploring quantum effects and structural interplays in graphene-derived functional materials for sensing and beyond

Speaker

Damiano Ricciarelli

15:20–15:40

Sputter deposition and pulsed laser crystallisation of MoS₂ films

Speaker

Daniele Demeneghi

15:40