

**Session Program**

**27 September 2026 to 2 October 2026**

**GADEST 2026**

**Defects for Advanced Semiconductor  
Applications**

GADEST 2026 - San Servolo Island, Venice (Italy)

# Monday 28 September

16:10

## Defects for Advanced Semiconductor Applications

Session | Location: Auditorium Hall

16:10-16:50 **Engineering Defects for Quantum Technology**

**Speaker**

Prof. Jörg Wrachtrup

16:50-17:10

**Modulation of the intra-axis Delta z valley splitting in Si via strain gradients for electron spin qbits**

**Speaker**

Dr Felipe Murphy-Armando

17:10-17:30

**Beyond Bulk: Interface-Driven Dopant Physics in Ultrathin Silicon-on-Insulator**

**Speaker**

Andrea Pulici

17:30-17:50

**W-Center Defects in Crystalline Silicon: Electronic Structure and Optical Signatures**

**Speaker**

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17:50-18:10

**Low Temperature Epitaxy of Planar Hexagonal Germanium**

**Speaker**

Mr Andrea Besana

18:10