



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



WBG Wide Band Gap
future power electronics



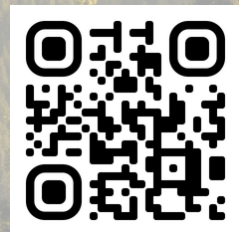
Summer School of Information Engineering



6-10 JULY 2026
BRIXEN, IT

**Track 2: GaN and
related materials**

Program and registration:
ssie.dei.unipd.it



A unique opportunity to dive in timely and cutting-edge research, covering material device and system level aspects in GaN and related materials

SSIE 2026 - Track 2

GaN and related materials

Monday, July 6:

Elke Meissner
(Fraunhofer IISB)

Tackling obstacles along the full value chain of
GaN based electronics

Giulio Baratella
(IMEC)

Monolithic GaN Bidirectional Switches for Next -
Generation Power Electronics

Tuesday, July 7:

Farid Madjdoub
(CNRS)

GaN Technology Across Power and RF:
opportunities, challenges and emerging directions

Vanya Darakchieva
(Linköping University)

Wide, Wider, Widest: Fundamentals and
frontiers of UWBG Semiconductors

Fabrizio Roccaforte
(CNR)

Transport Mechanisms and Interface
Engineering in Gate Stacks for GaN devices

Tomasz Sochacki
(UNIPRESS)

GaN on GaN : From Bulk Crystals to Device 2.0
Substrates, Epitaxy and the New Power Electronics

Wednesday, July 8: Networking event at mountain chalet

Thursday, July 9:

Matteo Meneghini
(UNIPD)

Advanced Characterization, modeling and
reliability aspects for GaN devices

Boris Butej
(INFINEON)

Charge transport and trapping/detrapping in
GaN-on-Si HEMTs

Friday, July 10:

Fabrizio Masin
(INFINEON)

From wide bandgap devices to industrial
development: daily life of a developer