

Potential Applications of Graphene in Electronics

12 November 2020, online Innovation Workshop Electronics

13:00-13:20 Welcome, introduction to the Graphene Flagship (Kari Hjelt, Chalmers Industriteknik), Research Institutes of Sweden (Björn Samel, RISE) and SIO Grafen (Elisabeth Sagström-Bäck)

13:20-13:50 Invited talk: Status update of 2D material integration in 300mm silicon production line
Cedric Huyghebaert , IMEC, Belgium

13:50-14:20 Invited talk: Graphene Technology and Innovation Roadmap: FOCUS on Electronics
Thomas Schmaltz, Fraunhofer ISI, Germany

Coffee break – Business card exchange at the Graphene Hub

14:40-15:00 Graphene Standardization – Key enabler for Graphene Electronics
Thurid Gspann, KIT, Germany

15:00-15:20 Graphene as High Potential in Manifold Semiconductor Applications
Stephan Pindl, Infineon, Germany

15:20-15:40 Epitaxial graphene (epigraphene) for Hall effect sensors
Samuel Lara Avila, Graphensic, Sweden

15:40-16:00 High-performance T2SL and QWIP infrared detectors at Irnova
Linda Höglund, IRnova, Sweden

Coffee break

16:10-16:25 Pitch session

16:25-16:50 Group discussions - Sensors and device, Printed electronics, Thermal management, OR Electronics and photonics + group photo

16:50-17:20 Speed Networking activity OR One-to-One meetings

17:20-17:30 Summary, closing remarks and way forward (Kari Hjelt, Chalmers Industriteknik)