

PROVISIONAL PROGRAM

Opening 8:00-8:10 (Italy-UTC+2) / 15:00-15:10 (Japan-UTC+9)

20 min talk + 5 min questions

8:15 - 8:40 (IT)

15:15 - 15:40 (JP)

Emergent polarization and intrinsic photovoltaic effect in symmetry-engineered van der Waals interface

1. Toshiya Ideue

8:40 - 9:05 (IT)

15:40 - 16:05 (JP)

Conduction and photoconduction in 2D-materials based transistors

2. Antonio Di Bartolomeo

9:05 - 9:30 (IT)

16:05 - 16:30 (JP)

New aspects in moiré superlattice of hBN/graphene heterostructures

3. Ryuta Yagi

9:30 - 9:55 (IT)

16:30 - 16:55 (JP)

Emerging oxidized and defective phases in lowdimensional CrCl₃

4. Luca Ottaviano

09:55 - 10:20 (IT)

16:55 - 17:20 (JP)

Different geometrical capacitance of an electric double-layer on monolayer and bilayer graphene

5. Hidenori Goto

Break 15 min

10:20-10:35 (IT) / 17:20-17:35 (JP)

10:35 - 11:00 (IT)

17:35 - 18:00 (JP)

Memory effects in single crystal quantum capacitors

6. Federico Chianese

11:00 - 11:25 (IT)

18:00 - 18:25 (JP)

Resistance Switching based on Fullerene channel

7. Kazuhito Tsukagoshi

11:25 - 11:50 (IT)

18:25 - 18:50 (JP)

Graphene matrices: scalable synthesis, electrical transport, and photonic applications

8. Camilla Coletti

11:50 - 12:15 (IT)

18:50 - 19:15 (JP)

Controlled synthesis and functionalization of 2D materials for future applications

9. Hiroki Ago

12:15 - 12:40 (IT)

19:15 - 19:40 (JP)

Graphene as a new material for batteries

10. Vittorio Pellegrini

12:40 - 13:00 (IT)

19:40 - 20:00 (JP)

11. Final Round Table