

Session Program

21-25 Aug 2017



Joint annual meeting of Swiss and Austrian Physical Societies 2017

*Emergent Phenomena in Novel Low-
Dimensional Materials*

Thursday 24 August

14:00

Emergent Phenomena in Novel Low-Dimensional Materials: I

Session | Location: CIG, Room 13

14:00-14:30

【651】 Gate Induced Superconductivity in Transition Metal Dichalcogenides

Speaker

Alberto F. Morpurgo

Location

14:30-14:45

【652】 Thickness dependence of the charge density wave order parameter in thin exfoliated 1T-VSe₂

Speaker

Mr Árpád Pásztor

Location

14:45-15:00

【653】 Spin-orbit interactions in graphene induced by transition metal dichalcogenides substrates

Speaker

Dr Zhe Wang

Location

15:00-15:15

【654】 Electrons Leave the Flatland

Speaker

Edoardo Martino

Location

15:15-15:30

【655】 Exploring point defects in the 1T' and 2H phases of single-layer MoS₂

Speaker

Michele Pizzochero

Location

15:30-15:45

【656】 High-throughput search for topological insulators in two-dimensional materials

Speaker

Mr Antimo Marrazzo

Location

15:45-16:00

【657】 Lattice instabilities in metallic Transition Metal Dichalcogenides

Speaker

Diego Pasquier

Location

16:00

16:30

Emergent Phenomena in Novel Low-Dimensional Materials: II

Session | Location: CICG, Room 13

16:30-17:00

【661】 Topological electronic phases in graphene nanoribbons**Speaker**

Roman Fasel

Location

17:00-17:15

【662】 Predicting fundamental gaps of physisorbed one-dimensional acenes**Speaker**

Jan Wilhelm

Location

17:15-17:30

【663】 On-surface synthesis of novel open-shell graphene nanostructures**Speaker**

Mr Shantanu Mishra

Location

17:30-17:45

【664】 Structure and diffusion mapping of manganese atomic chains on Si(001)**Speaker**

Mr Renan Villarreal

Location

17:45-18:00

【665】 Orbital character of the mobile and localized electron states at the LAO/STO interface**Speaker**

Alla Chikina

Location

18:00-18:15

【666】 Subband structure and electron-phonon coupling in the two-dimensional electron gas at the SrTiO₃ (001) surface**Speaker**

Siobhan McKeown Walker

Location

18:15