VII. Open Seminar Day of Materials Research Laboratory

Day: Wednesday 13. 9. 2017
Venue: University Center Ajdovščina, Auditorium

Program

9:00 Intro: Matjaž Valant

Session I - Chairman: Layla Martin-Samos

9:10 – 9:40 Invited talk; doc. dr. Tadej Rojac – Identification of charged defects as the missing piece for explaining domain-wall conduction in ferroelectric BiFeO3 (Nature Mat. 16, 322–327, 2017)

9:40 – 10:00 Mattia Fanetti – Morphology and chemistry of initial growth of Au on Bi2Se3

10:00 – 10:20 Katja Ferfolja – Room-Temperature Solid-State Reaction at the Ag/Bi2Se3 Interface

10:20 - 10:40 Sandra Gardonio – Reactivity of H2O and O2 molecules on different crystalline surfaces of magnesium

10:40 – 11:00 Nicolas Salles – Atomistic Modelling of desoxidation processes in SiO2-based OXRAM

11:00 – 11:20 Andraž Mavrič – The electrochemical synthesis of dendritic polymethylsilane

Coffee break

Session II - Chairman: Artem Badasyan

12:00 – 12:20 Blaž Belec – Synthesis of composite nanoparticles with different core nanoparticles coated with a magnetic shell

12:20 – 12:40 Luigi Gaicomazzi – Color centers in P-doped and Yb-doped silica optical fibers: a first-principles investigation

12:40 – 13:00 Blaž Winkler – Radiation induced attenuation in rare-earth codoped optical fibers

13:00 – 13:20 Saim Emin – Transformation of tungsten to tungsten carbides and their use in water splitting studies


13:50 group photo

14:00 group lunch