



Institute of Physics  
of Materials



The Czech Academy  
of Sciences

## Current trends in materials science

Symposium

Praha, Národní 3, the 19<sup>th</sup> January 2018

Programme

9:30 Opening message by the President of the Czech Academy of Sciences, Eva Zažímalová

9:35 - 10:05 Jean-Luc Martin: *30 years of common work with talented researchers*

10:05 - 10:35 Daniel Caillard: *Dislocations in BCC iron and tungsten*

10:35 - 11:00 coffee

11:00 - 11:30 Helena Van Swygenhoven: *Mechanical properties of nanocrystalline metals: fundamentals and applications*

11:30 - 12:00 Michael Mills: *Dislocation cores and deformation processes in FCC based high entropy alloys*

12:00 - 12:30 Bernard Viguiier: *Effect of aging on the microstructure and mechanical properties of a Beta titanium alloy*

12:30 - 13:30 lunch

13:30 - 14:00 Philippe Spätig: *Materials aging in nuclear environments*

14:00 – 14:30 Egle Conforto: *Hydride dissolution and precipitation in Zirconium alloys: “in-situ” TEM thermal cycling observations correlated to global approach investigations*

14:30 – 15:00 Václav Paidar: *Dislocations in disilicides as MoSi<sub>2</sub>*

15:00 -15:30 Tomáš Kruml: *Growth of short fatigue cracks in large scale yielding conditions*

Organized by the Institute of Physics of Materials, Czech Academy of Sciences  
No conference fee. Please confirm your participation at [sevcikova@ipm.cz](mailto:sevcikova@ipm.cz)

