 

 **IREMEV meeting, 9-10 June 2020, 9.00 CET**

 **7 slides maximum please, presentation time limited to 10 minutes.**

·        has the work been delayed?

·        can the final deliverable be achieved in 2020?

·        if delay is significant expected please provide an estimate for the completion of task (possibly in 2021).

**9th of June – please note that time is in CET units. CET=BST + 1 hour**

https://us02web.zoom.us/j/86344416760?pwd=cEYwN1g1QmRwSXFVbUduK01SbHk1dz09

Meeting-ID: 863 4441 6760

Password: IREMEV9

9.00 CET **Microstructure of a heavily irradiated bcc metal:** Peter Derlet

9.20 **Interpretation of experimental observations of ion irradiated tungsten:**  Daniel Mason

9.40 **Simulation of high-dose damage in candidate fusion materials**: Fredric Granberg

10.00 **Sub-cascade statistics: comparison of empirical potentials and DFT**: Charlotte Becquart

10.20 **Investigation of small defect clusters in ion irradiated tungsten by 3D-field ion microscopy:** Benjamin Klaes andBertrand Radiguet

10.40 **Reactor relevant cascade overlap analysis derived from neutron transport modelling:** Mark Gilbert

**11.00 break**

11.20 **Magnetic effects and chromium segregation in Fe+ ion irradiated FeCr films at ambient and elevated temperatures:** Konstantina Mergia

11.40 **Resistivity recovery of proton irradiated W and Fe-N alloys:** George Apostolopoulos

12.00 **Ion irradiation damage in very thin tungsten samples:** Bailey Curzadd and Johann Riesch

12.20 **Autonomous, uncertainty-driven construction of mesoscale models for microstructural evolution:** Thomas Swinburne

12.40 **Improving atomistic models for fusion applications using artificial intelligence:** Cosmin Marinica

13.00 **Effect of radiation defects on the thermal conductivity of tungsten and FeCr alloys** Pär Olsson

**13.20 break**

14.00 **Magnetic susceptibility and transport properties studies of iron chromium alloys:** Mladen Prester

14.20 **Point defects in Fe-Cr alloys:** Jan Wrobel

14.40 **DFT investigation of non-conventional precursors in microstructures evolution of Fe and FeCr under irradiation:** Carlo Luis Guerrero

15.00 **Elastic parameters of point and mesoscopic defects in bcc and fcc metals:** Pui-Wai Ma

**15.20 break**

15.30 **Interaction of screw dislocations with solutes and radiation defects in Fe and W:** Lisa Ventelon

15.50 **Carbides in Fe-Cr-C alloys: diffusion and stability under irradiation:** Chu Chun Fu and Thomas Schuler

16.10 **Effect of purity on the microstructure evolution of self-ion irradiated W:**  Marie-France Barthe

 **16.30 end of the first day**

**10 June**

https://us02web.zoom.us/j/87073483351?pwd=NE1vODZoTXdaSlhZOHZUank3T3lmQT09

Meeting-ID: 870 7348 3351

Password: IREMEV10

9.00 **Experimental microstructural examination of neutron irradiated tungsten**: Michael Klimenkov

9.20 **Segregation of Re and Os in neutron irradiated tungsten:** Duc Nguyen-Manh

9.40 **Simulation of microstructural evolution of irradiated tungsten: from point defects to dislocation objects through kMC:**  Niklas Castin

10.00 **Development of OkMC approach including elastic interaction between defects:**  Christophe Ortiz

10.20 **Models for microstructural evolution of high-dose high-temperature irradiation of Fe and FeCr:**  Maria Jose Caturla

10.40 **Evolution of radiation defect microstructure under annealing heat treatment:** Ermile Gaganidze and Ankur Chauhan

**11.00 break**

11.20 **Defect size distributions in irradiated EUROFER97 and ODS using polarized SANS:** Roberto Coppola

11.40 **Coupled OKMC-DD approach to studying the kinetics of point defects and dislocations:** Thomas Jourdan

12.00 **Ultraviolet catastrophe of a fluctuating curved dislocation line:** Max Boleininger

12.20 **Dose-dependent dislocation mobility analysed by means of dislocation dynamics simulations:** Christian Robertson

12.40 **Experimental microstructural examination of neutron irradiated 9% RAFM steels:** Michael Klimenkov

13.00 **Experimental microstructural examination of ODS EUROFER steel irradiated at 300C and 400C:** Michael Klimenkov

13.20 **Single and dual beam ion irradiation at the Zagreb Accelerator Facility DiFU:** Tonci Tadic

13.40 **Microstructural characterization of alloys irradiated under strain at elevated temperature:** Marcelo Roldan

14.00 **Irradiation Experiments at the Saclay and Orsay Facilities:** Aurelie Gentils and Celine Cabet