



# Technical Meeting on Structural Materials for Heavy Liquid Metal Cooled Fast Reactors

## Wednesday, 16 October 2019

### Session II: Corrosion Mitigation Measures: Coating, New Structural Materials, Environmental Conditioning - M4 (10:30 - 11:00)

-Conveners: Alfons Weisenburger; Peter Szakalos

time	[id] title	presenter
10:30	[1] ID-01: Corrosion behaviours of austenitic steel and ferritic steel in LBE with oxygen controlled conditions	Mr QIN, Bo

### Session II: Corrosion Mitigation Measures: Coating, New Structural Materials, Environmental Conditioning: contd... - M4 (11:20 - 12:50)

-Conveners: Alfons Weisenburger; Peter Szakalos

time	[id] title	presenter
11:20	[13] ID-13: Corrosion and Mechanical Testing of Alumina Forming Austenites for Liquid Lead Applications	Mr DÖMSTEDT, Peter
11:50	[14] ID-14: Multifunctional Nano-Ceramic Coatings for Next Generation Nuclear Reactors	Mr DI FONZO, Fabio Mr VANAZZI, Matteo
12:20	[8] ID-8: Evaluation of the high-entropy Cr-Fe-Mn-Ni alloys compatibility with a molten lead coolant	Mr VOYEVODIN, Viktor

### Session II: Corrosion Mitigation Measures: Coating, New Structural Materials, Environmental Conditioning: contd... - M4 (14:00 - 15:30)

-Conveners: Alfons Weisenburger; Peter Szakalos

time	[id] title	presenter
14:00	[19] ID-19: Title Design and Material Selection for Leak-Before Break Nature of Double Walled Once Through Steam Generators in Lead-Bismuth Cooled Fast Reactors	Mr LEE, Jung Hwan
14:30	[20] ID-20: Compatibility Evaluation on Structural Materials in Oxygen Controlled Lead-Bismuth Eutectic at 500C	Mr JIANG, Zhizhong
15:00	[21] ID-21: Development of alumina forming materials for corrosion mitigation in heavy liquid metal cooled nuclear reactors	Mr WEISENBURGER, Alfons

### Session II: Corrosion Mitigation Measures: Coating, New Structural Materials, Environmental Conditioning: contd... - M4 (15:50 - 16:20)

-Conveners: Alfons Weisenburger; Peter Szakalos

time	[id] title	presenter
15:50	[22] ID-22: Corrosion of steel claddings of fast reactors fuel elements in the interaction with uranium-plutonium nitride fuel.	Mr IVANOV, Alexander