

Provisional program

Tuesday 24

8h30 - 9h			RECEPTION DESK	
9h - 9h20	Welcome (Prés. UBS + Dir. IRDL + Chairman)			
9h20 - 9h45	Surface tension 1	Session chairman:	Thermophysical properties of Al-Mg and Al-Cr based additive manufacturing alloys	Xiao Xiao
9h45 - 10h10			Thermophysical properties of liquid Al-Ti-V alloys measured by electromagnetic levitation	Reiplinger Benedikt
10h10 - 10h35			Time-Resolved and in-situ Measurements of Liquid Properties Using the VITI Induction Furnace and Maximum Bubble Pressure Apparatus	Bitard Hugo
10h35 - 11h05			COFFEE BREAK	
11h05 - 11h30	Conductivity Diffusivity, Flash 1	Session chairman:	Measuring Thermal Conductivity and Emittance at Ultrahigh Temperatures (> 2500 °C)	Golightly Elizabeth
11h30 - 11h55			Non-Contact Method to Measure Thermal Conductivity at High Temperatures: A Comparative Study of Additive Manufactured SS-316L	Reyes Jessica
11h55 - 12h20			Estimating the thermal diffusivity of molten metals at very high temperature by liquid thin film method	Pierre Thomas
12h20 - 13h35			LUNCH	
13h35 - 14h00	Calorimetry	Session chairman:	LNE initiatives in the development of metrological reference facilities for specific heat measurements at high temperatures	Razouk Refat
14h00 - 14h25			Optimizing Measurements of Thermal Conductivity by Non-Contact Modulation Calorimetry in Electromagnetic Levitation	Hyers Robert
14h25 - 14h50			Measurement of the properties of molten metals with electromagnetic levitation: effect of application of the horizontal DC magnetic field	Budenkova Olga
14h50 - 15h15			Estimation of the specific heat capacity of liquid metals by aerodynamic levitation	Le Mener Maelenn
15h15 - 15h45			COFFEE BREAK	
15h45 - 16h10	Viscosity	Session chairman:	Numerical simulation to study the impact of gravity on viscosity determination through the aerodynamic levitation of a metal drop	Courtois Elodie
16h10 - 16h35			Effects of Gas Flow Rate and Sample Size on Surface Tension and Viscosity Measurements of High-temperature Melts using Aerodynamic Levitation Method	Nagakusa Ikuma
16h35 - 17h00			Thermophysical Properties of Undercooled Alloys within the Titanium-Zirconium-Nickel Alloy System	Bracker Gwendolyn
17h00 - 17h25			Viscosity measurement by the "Oscillating Drop" method: Limits of applicability	Lohöfer Georg
	Free time			
18h00 - 19h00	Submarine Tour			
19h30 - 22h00	Organising committee meeting (only for organising committee) "Les Mouettes"			

Wednesday 25				
8h30 - 9h			Reception desk	
9h - 9h25	Conductivity, Diffusivity, Flash 2	Session chairman:	Determination of the thermal properties of uranium dioxide at high temperatures using laser-based approaches	Doualle Thomas
9h25 - 09h50			Modulated Laser Heating: the frequency domain thermorefectance technique for the measurement of thermophysical properties	Marx Hans
09h50 - 10h15			Nanosecond Pulsed-Light Heating Thermorefectance Method for Thermal Diffusivity Measurements	Sergeev Dmitry
10h15 - 10h40			SI-traceable thermal diffusivity measurements of advanced materials at ultra-high temperature	Hay Bruno
10h40 - 11h05			COFFEE BREAK	
11h05 - 11h30	Optical	Session chairman:	Characterization of thermo-optic coefficients in non-uniform temperature field	Letessier Jordan
11h30 - 11h55			High-temperature normal spectral emissivity of semiconducting ceramics	Rousseau Benoit
11h55 - 12h20			Normal spectral emissivity of Al-Ti liquid alloys	Brillo Juergen
12h20 - 13h35			LUNCH	
13h35 - 14h00	Matter behaviour	Session chairman:	Validation of Evaporation Models for Cu, Cr and CuCr Alloy Under Varying Vacuum Conditions	Libert Deniz
14h00 - 14h25			Atomic diffusion in metallic melts and the influence of gravity	Sondermann Elke
14h25 - 14h50			Experimental Uncertainty in Property Quantification: Measurement of Accuracy and Precision (MAP) Plots	Matson Douglas
14h50 - 15h15			Investigation on the metal-oxide part of the U-Ce-O phase diagram at high temperature	Denier Caroline
15h15 - 15h45			COFFEE BREAK	
15h45 - 16h10	Density	Session chairman:	Newly developed aerodynamic levitation device for neutron scattering experiments.	Eckstein Phillip
16h10 - 16h35			Density measurements of the metallic liquid phase formed during the stratification of the corium	Ranno Alexandre
16h35 - 17h00			Aerodynamic levitation of liquid metal under high pressure to prevent evaporation. First results.	Bourges Coline
17h00 - 17h25			Thermophysical property measurement of Ti-Mo melts using electromagnetic levitation technique	Adachi Masayoshi
			Free time	
19h30 - 23h00			Gala Diner (all)	
Thursday 26				
8h30 - 9h			Reception desk	
9h - 9h25	Surface tension 2	Session chairman:	Characterization and comparison of 304L surface tension with aerodynamic levitation and maximum bubble pressure	Le Gal La Salle Marc
9h25 - 09h50			High-temperature interaction of liquid Mg with bulk Ag and Ti vs porous 3D-printed Ti substrate: Influence of reactivity and substrate surface modification	Terlicka Sylwia
09h50 - 10h15			Oxygen Effects on the Surface Tension of Inconel 718	Michael Sansoucie
10h15 - 10h40			Thermophysical properties measurement of metallic alloys in reduced gravity	Valloton Jonas
10h40 - 11h00			COFFEE BREAK	
11h00 - 11h25	Conductivity, Diffusivity, Flash 3	Session chairman:	Measurement of Thermal Diffusivity, Thermal Conductivity, and Volumetric Heat Capacity Distribution Using Lock-in Thermography Periodic Heating Method: Application of Surface	Umeda Sho
11h25 - 11h50			Thermal diffusivity by laser-flash of a flexible thermal protection system for Mars entry	Kaschnitz Erhard
11h50 - 12h15			Thermal Diffusivity Imaging of High-Thermal-Conductive Composites employing Undersampling in Lock-in Thermography	Kaneko Yudai
12h15 - 12h40			Development of a front face flash method for thermal monitoring of surface deposits and ageing of plasma facing components in Tokamaks	Monet-Vidonne Clément
12h40 - 12h50			Closing word	
12h50 - 13h50			LUNCH	
14h00 - 16h00			IRDL LAB TOUR	
16h00			END OF IWSSTP 14	

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