

IWSSTP 14 program

Tuesday 24

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| 8h30 - 9h | | | RECEPTION DESK | |
| 9h - 9h20 | Welcome (President UBS + Chairman) | | | |
| 9h20 - 9h45 | Surface tension 1 | Session chairman: Mickael Courtois | Thermophysical properties of Al-Mg and Al-Cr based additive manufacturing alloys | Xiao Xiao |
| 9hh45 - 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: Thomas Pierre | 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 | Houssein Jad |
| 12h20 - 13h35 | | | LUNCH | |
| 13h35 - 14h00 | Calorimetry | Session chairman: Yvan Egry | 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: Jurgen Brillo | 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" | | | |

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| Wednesday 25 | | | | |
| 8h30 - 9h | | | RECEPTION DESK | |
| 9h - 9h25 | Conductivity, Diffusivity, Flash 2 | Session chairman: Erhard Kaschnitz | 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 thermoreflectance technique for the measurement of thermophysical properties | Marx Hans |
| 09h50 - 10h15 | | | Nanosecond Pulsed-Light Heating Thermoreflectance 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: Coline Bourges | 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: Cedric Pouvreau | 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: Douglas Matson | 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) | | | |

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| Thursday 26 | | | | |
| 8h30 - 9h | | | RECEPTION DESK | |
| 9h - 9h25 | Surface tension 2 | Session chairman: Benedikt Reiplinger | 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 | | | Thermophysical properties measurement of metallic alloys in reduced gravity | Hani Henein |
| 10h15 - 10h45 | | | COFFEE BREAK | |
| 10h45 - 11h10 | Conductivity, Diffusivity, Flash 3 | Session chairman: Bruno Hay | Measurement of Thermal Diffusivity, Thermal Conductivity, and Volumetric Heat Capacity Distribution Using Lock-in Thermography Periodic Heating Method: Application of Surface | Umeda Sho |
| 11h10 - 11h35 | | | Thermal diffusivity by laser-flash of a flexible thermal protection system for Mars entry | Kaschnitz Erhard |
| 11h35 - 12h00 | | | Thermal Diffusivity Imaging of High-Thermal-Conductive Composites employing Undersampling in Lock-in Thermography | Kaneko Yudai |
| 12h00 - 12h25 | | | Development of a front face flash method for thermal monitoring of surface deposits and ageing of plasma facing components in Tokamaks | Monet-Vidonne Clément |
| 12h25 - 12h30 | | | HTC conference announcement + IWSSTP15 announcement + closing word | |
| 12h30 - 13h50 | | | LUNCH | |
| 14h00 - 15h00 | IRDL LAB TOUR | | | |
| 15h30 | | | END OF IWSSTP 14 | |