

Time: **Wednesday
29/05/2024**

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| 10:00 | Welcome Coffee |
| 10:30 | KABORE Appolinaire ; Jules Voguelin SIMO TALA; Zohir YOUNSI; Daniel BOUGEARD_Development and qualification of an experimental method for PCMs liquid phase thermal expansion coefficient measurement |
| 10:50 | MIRA-HERNANDEZ Carolina ; Simone MANCIN_Characterization of electrical properties of phase change materials for liquid fraction sensing via electrical tomography |
| 11:10 | HIEBLER Stefan ; Henri SCHMIT ; Stefanie TAFELMEIER; Peter HOOCK_Unravelling the relation between the crystallisation velocity and the hysteresis of phase change materials |
| 11:30 | KICK Moritz ; Chakib LEFKIR; Stefan GSCHWANDER_Development of water-in-oil phase change slurries for cold transport and storage below 0°C |
| 11:50 | GARCIA-OCINA Eukene ; Gonzalo DIARCE_On the use of TGA for the study of degradation of thermal energy storage materials |
| 12:10 | Maxim BELINSON , Dominic GROULX _Numerical assessment of the impact of a PCM thermal conductivity on a storage system's performance |
| 12:30-14:00 | LUNCH |
| 14:00 | MATTHES Manuel ; Jonathan RAUSENDORF; Markus RICHTER; Thorsten URBANECK_Experimental Investigation of a Novel Process for the Generation of Ice Slurry Based on a Dispersible Two-Substance System |
| 14:20 | TILLMAN Christie ; Lutz RICHTER; Jannik SCHUG; Mathias SAFARIK; Christian KEMMERZEHL_Development of a thermally driven ice slurry generator |
| 14:40 | ITO Koki ; Yohei MAKINO, Junpei TAKEUCHI; Koji MATSUMOTO_Effects of Poly Sodium Acrylate on the Cohesive Properties of Ice Slurry during Long Storage Time |
| 15:00 | OGAWA Takuma ; Ryuji OKADA; Mitsuki CHIWATA, Koji MATSUMOTO_The effect of the voltage applied to the test plate and the concentration of anionic surfactant added to the adhesion strength |
| 15:20 | Poster Presentation Safarik, Radebe, Slaviero, Oh |
| 15:40 | Coffee break/Poster session |
| 16:20 | DESGROSELLIERS Louis ; Marta HERNAIZ; Nerea URANGA; Ane LOPEZ; Suzana LOPEZ, Amaia MARTINEZ; Ivan MESONERO, Daniel CARBONELL_PCM Formulation developments for two residential space cooling phase change slurry concepts |
| 16:40 | ULRICH Anna , Razieh NIK ROO, Jesus GUAYAQUIL SOSA, Md MOHOSIN RANA; Matthew CLARKE ; Hector DE LA HOZ SIEGLER_Development of a fully organic microencapsulated phase change material from agriculture residues |
| 17:00 | LIN Wenye , Stefan GSCHWANDER, Wenji SONG, Ziping FENG_Development of a novel salt hydrate phase change material slurry for thermal management and heat transportation in solar photovoltaic thermal systems |

Time: **Thursday
30/05/2024**

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| Morning Coffee | |
| 09:00 | GARIVALIS Alekos Ioannis , Daniele TESTI, Carlo BARTOLI_Experimental characterisation of low temperature energy storage with microencapsulated phase change slurries |
| 09:20 | OSSWALD Véronique ; Pascal CLAIN; Anthony DELAHAYE; Laurence FOURNAISON_CO2 Hydrates Crystallization kinetics parametric study: Effect of stirring rate and impeller type |
| 09:40 | XU Minghan ; Mohammaderfan MOHIT; Yuguo GAO; Agus SASMITO_Predicting heterogeneous nucleation in ice slurry for refrigeration and thermal energy storage |
| 10:00 | SALEHY Yasmine ; Nada CHAMI; Pascal CLAIN; Hong-Minh HOANG; Didier DALMAZZONE; Laurence FOURNAISON; Anthony DELAHAYE_Multi-performance assesment of hydrate slurries for secondary refrigeration in a modelled industrial case study |
| 10:20 | Coffee break/Poster session |
| 10:50 | Workshop |
| 12:30-14:00 | LUNCH |
| 14:00 | HANI Rony ; Sébastien PONCET; Dominique MONNEY_Optimization of a shell and tube heat exchanger based on ice slurry |
| 14:20 | FRANK Julie ; Duncan J. BORMAN; Evaldas GREICIUNAS; Amirul KHAN; Jon SUMMERS_Effect of Different Fin Geometries on the Thermal and Hydraulic Performance of PCM-Compact Heat Exchanger |
| 14:40 | SALGADO-BECEIRO Jorge ; Ragnhild SAETERLI; Alexis SEVAULT_Innovative heat exchanger design using extruded aluminium profiles for PCM-based TES systems |
| 15:00 | MOENCH Sabine ; Sebastian MEY; Michael LEHMANN; Oliver GARACK; Max SCHOTT, Björn KAUER; Lutz RICHTER; André SCHLOTT, Volker SCHUBERT_2-Circuit latent heat storage for waste heat utilization in fuel cell railcars: Concept, design and experimental investigations |
| 15:20 | SLAVIERO Gianluca ; Dario TRAVERSO, Franco TRAVERSO; Marco NORO; Claudio ZILIO; Simone MANCIN_Experimental study of solid/liquid phase change of paraffin in 3D printed axially finned tubes obtained through topological optimization |
| 15:40 | Coffee break/Poster session |
| 16:10 | KACIMI Abbas ; Gilles LABRANQUE; David STIENNE_Phase change materials in isothermal containers |
| 16:30 | RIGHETTI Giulia ; Jorge BURGOS; Leonor HERNANDEZ; Rosa MONDRAGON; Simona BARISON; Filippo AGRESTI; Lisa BIASETTO; Simone MANCIN_Experimental thermal analysis of an innovative heat sink coupled to nanoemulsion |
| 16:50 | LEE Ho Seung ; Yuxiang SHAO; Ming LIU; Wasim SAMAN; Michel BOSTROM_Enhancing thermal performance of buildings through macroencapsulated PCM integration in wall and roof |
| 19:30 | Dinner Gala : Parisian péniche : Le Rive Droite |

Time: **Friday
31/05/2024**

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| Morning Coffee | |
| 09:00 | LUKAS Benjamin , Michael BARTON; Christian SCHWEIGLER_Efficiency of heat pump systems with integrated latent heat storage |
| 09:20 | RADEBE Thandiwe ; Asasei NDANDULENI; Zhongjie HUAN_Evaluation of the Thermal Response of NaCl-H2O in a Domestic Refrigerator |
| 09:40 | KOUSHAEIAN Mahdi ; Jae Dong CHUNG_Innovative Cascade Adsorption Energy Storage for Enhanced Heating Applications |
| 10:00 | RAZA Waseem ; Arianna BERTO; Emanuele ZANETTI; Marco AZZOLIN; Davide DEL COL_Study on heat transfer enhancement in a large latent heat storage unit |
| 10:20 | FRIEDRICH Thomas _PCM-filled piping for the air conditioning of existing buildings |
| 10:40 | Coffee break/Poster session |
| 11:10 | MOHIT Mohammederfan ; Minghan XU, Agus SASMITO_Semi-analytical solution for the one-phase Stefan problem subjected to time-varying boundary conditions in spherical coordinates |
| 11:30 | DAVIDESKO Avshalom ; Avichial CHHETRI; Nir TZABAR_heat transfer modelling of PCM thermal storage at Cryogenic temperature |
| 11:50 | GUARDA Dario ; Francesca MARTELLETTI; Giulia RIGHETTI; Luca DORETTI; Claudio ZILIO; Simone MANCIN _Validation of a Resistance-Capacitance Model (RCM) for the Design of Latent Thermal Energy Storage |
| 12:10 | DU Qun ; Wenye LIN; Mingbiao; CHEN; Tao YU; Yongzhen CHEN; Wenji SONG; Yongliang LI; Ziping FENG_Numerical simulation on the phase change process of supercooled water in the swirling flow state |
| 12:30 | JUNG Alexis ; Jules SIMO TALA; S. Amir BAHRANI; Mylène LAGARDERE DELEGLISE_Influence of the stratification in a hot water tank for thermal inertia improvement by latent heat thermal energy storage : a numerical study |
| 12:50 | Closing |
| 13:10 | LUNCH |