

2020 UIT Seminar on Heat Transfer, September 28th 2020

Google Meet Room:	https://meet.google.com/jud-hojk-kyu
09:00	Opening Cerimony - UIT Awards
09:30	Keynote Lecture (P. Vigo)
10:20	Break
10:30	Technical sessions
11:30	Closing Cerimony

Technical Sessions Program Details						
	<i>Technical Session 1</i>	<i>Technical Session 2</i>	<i>Technical Session 3</i>	<i>Technical Session 4</i>	<i>Technical Session 5</i>	<i>Technical Session 6</i>
Google Meet Room:	https://meet.google.com/wts-trcw-bye	https://meet.google.com/cdx-sdva-zki	https://meet.google.com/uhc-ocga-ish	https://meet.google.com/taj-bmoo-onc	https://meet.google.com/vkd-xyor-rxw	https://meet.google.com/hsp-tydm-kef
Chairman(s):	A. Niro, O. Manca	D. Ambrosini	D. Del Col, S. Rainieri	G.L. Morini	N. Forgiione	R. Ricci
10:30	Thermal characterisation of Triple Concentric Tube Heat Exchangers by applying parameter estimation: direct problem implementation (P. Vocale)	Accurate contact resistance characterization for thermal conductivity measurement with the Heat Flow Meter method (A. Niro)	Mini-scale pulsating heat pipe cooling systems for high-heat-flux electronic equipment (F. Cataldo)	Preliminary study on the influence of porous baffle interface and mesh typology on the mufflers flow analysis (G. D'Amore)	Experimental heat transfer evaluation in a porous media (S. Pedrazzi)	Optimal sizing of an integrated energy system for a nearly zero-energy residential building (A. Franco)
10:40	A 0D-3D approach for numerical analysis of waste to energy plants: a case study (F. Arpino)	Numerical Study on Thermal and Fluid Dynamic Behavior of Confined Impinging Slot Jets with Nanofluids in Partially Filled Configuration of Metal Foam (O. Manca)	Experimental study of mitigation systems to prevent Thermal Runaway of Li-ion Batteries (C. Menale)	Multi-scale performance evaluation of ejector refrigeration systems (G. Besagni)	Experimental analysis of the steam condensation heat transfer coefficient in water pool at sub-atmospheric pressure (A. Pesetti)	Thermal characterization of a multilayer coating for seismic and energy building renovation (E. Levi)
10:50	CFD simulation of anti-fogging coatings performance in refrigerated display cabinets (P. D'Agaro)	Experimental evaluation of the thermal conductivity for additive manufactured materials. New test facility concept and preliminary tests (L. Viscito)	Liquid holdup optical measurements for horizontal stratified flows with an opaque fluid layer (I.M. Carraretto)	CFD study of a CI engine powered in the dual-fuel mode with syngas and waste vegetable oil (M. Costa)	Direct steam condensation at sub-atmospheric pressure: experimental tests and similitude analysis (G. Giambartolomei)	Sustainable and low-cost solutions for thermal and acoustic refurbishment of old buildings (M. Neri)
11:00	Inverse heat transfer problem for early detection of melanoma: direct problem implementation (L. Cattani)	Transient free convection in vertical channels (L. Pagliarini)	Influence of the Thermophysical Model on the CFD Analysis of Oil-Cooled Transformer Windings (E. Salerno)	Numerical Investigation on the Thermal Control of Lithium Batteries for Electric Cars Using Metal Foams and Phase Change Materials (O. Manca)	SBO analysis of a generic PWR-900 with ASTEC and MELCOR codes (P. Maccari)	Environmental Effect on Temperature Measurement in Natural Gas Network Balance (F. Zuena)
11:10	Thermal analysis of HI-STORM 100S dry cask with the MELCOR code (M. Angelucci)					Preliminary analysis of the influence of environmental boundary conditions on convective heat transfer coefficients (T. De Rubeis)