

TIME	TYPE	EVENT
08:45 - 09:35	Logistics	Welcome and Registration
09:35 - 09:50	Speech	Introduction to the conference - Hassan PEERHOSSAINI - Serge RUSSEIL - Thierry LEMENAND
09:50 - 10:50	Session	Energy efficiency - 3 communications (presentation of 15 min + questions 5 min)
09:50 - 10:10		› Experimental study of heat transfer enhancement in heat exchangers by means of surface vibrations - André Bontemps, Université Paris 7, Paris Diderot
10:10 - 10:30		› Large eddy simulation of flow and heat transfer of automotive heat exchanger - Rémi GAUTIER, Mines Douai
10:30 - 10:50		› Performance of one row finned-tube compact heat exchanger: influence of geometry, compactness and fin thermal conductivity - Joseph Jabbour, Mines Douai
10:50 - 11:10	Session	Heat transfer - 1 communication (presentation of 15 min + questions 5 min)
10:50 - 11:10		› Design and optimization of Heat Integrated Distillation Column (HIDiC) - Omar YALA, Laboratoire de génie chimique
11:10 - 11:40	Break	Coffee break
11:40 - 12:40	Session	Heat transfer - 3 communications (presentation of 15 min + questions 5 min)
11:40 - 12:00		› Multi-roll heat exchanger - Jean-Marie BUCHLIN, von Karman Institute for Fluid Dynamics
12:00 - 12:20		› Study of the sub-grid terms of the large-eddy simulation of a low Mach strongly anisothermal channel flow - Dorian Dupuy, Laboratoire Procédés, Matériaux et Energie Solaire
12:20 - 12:40		› Thermal performance of an automotive cooling loop operated with alumina nanofluid coolant: numerical and experimental investigation - Mathieu CAPARROS, VALEO THERMAL SYSTEMS
12:40 - 14:00	Break	Lunch

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14:00 - 15:40	Session	Heat transfer - 5 communications (presentation of 15 min + questions 5 min)
14:00 - 14:20		› Heat transfer in a millimetric wavy channel - <i>Nathalie Di Miceli Raimondi, Laboratoire de Génie Chimique (Toulouse)</i>
14:20 - 14:40		› Analytical modeling for generalized pressure drops in plate heat exchanger - <i>Kifah Sarraf, Faculty of Engineering, Holy Spirit University of Kaslik - Stéphane LAUNAY, Aix-Marseille Université, CNRS, IUSTI UMR 7343</i>
14:40 - 15:00		› Novel design of delta winglet pair vortex generator for heat transfer enhancement - <i>Charbel Habchi, Notre Dame University - Louaize - Serge Russeil, Mines Douai</i>
15:00 - 15:20		› Hydrodynamic and heat transfer characterization of screen-type static mixers - <i>Charbel Habchi, Notre Dame University - Louaize</i>
15:20 - 15:40		› Coolant-cooled condenser for automotive A/C system: Model development and validation - <i>Fadil Ayad, Mahle Behr Luxembourg Sarl</i>
15:40 - 16:00	Break	Coffee break
16:00 - 16:20	Session	Non-conventional heat exchangers and reactors - 1 communication (presentation of 15 min + questions 5 min)
16:00 - 16:20		› Study of a novel heat exchanger adsorber concept for CO ₂ capture - <i>Rémi Gautier, Ecole des mines de Douai - Pascaline Pré, Laboratoire de génie des procédés - environnement - agroalimentaire</i>
16:20 - 16:40	Session	Mixing - 1 communication (presentation of 15 min + questions 5 min)
16:20 - 16:40		› The formation of fluidized bed hydrodynamic structure optimal for combustion of biomass and low grade coal by results of the research into local coefficients of external heat transfer - <i>Rafail Isemin, Tambov State Technical University</i>
16:40 - 17:00	Session	Experimental methods - 1 communication (presentation of 15 min + questions 5 min)
16:40 - 17:00		› Investigation of condensation heat transfer inside plate heat exchanger: innovative approach using the Infrared metrology - <i>Kifah Sarraf, Faculty of Engineering, Holy Spirit University of Kaslik - Stéphane LAUNAY, Aix-Marseille Université, CNRS, IUSTI UMR 7343</i>
17:00 - 17:00	Logistics	End of the presentations of Monday
19:30 - 23:00	Tour	Dinner cruise on boat restaurant