

TIME TABLE

Tentative version 0, Jan. 30, 2018

Day 1 : Monday, March 12, 2018	Day 2 : Tuesday, March 13, 2018	Day 3 : Wednesday, March 14, 2018	Day 4 : Thursday, March 15, 2018
	9:00 9:45 Keynote2 Prof. Khellil Sefiane The University of Edinburgh, UK	9:00 9:45 Keynote4 Prof. Akio Miyara Saga University	9:00 9:45 Keynote6 Dr. Christos N. Markides Imperial College London, UK
	9:45 11:05 Oral Session3 Droplet	9:45 11:05 Oral Session7 Condensation 1	9:45 11:05 Oral Session11 Condensation 3
	11:05 11:25 Coffee break	11:05 11:25 Coffee break	11:05 11:25 Coffee break
	11:25 12:45 Oral Session4 Boiling in microchannels	11:25 12:45 Oral Session8 Condensation 2	11:25 12:45 Oral Session12 Measurement
	12:45 14:45 Lunch + Poster Session r2	12:45 14:45 Lunch + Poster Session 3	12:45 14:00 Lunch
13:00 13:15 Opening			
13:15 14:00 Keynote1 Prof. Peter Stephan Darmstadt University of Technology,	14:45 15:30 Keynote3 Prof. Niro Nagai University of Fukui, Japan	14:45 15:30 Keynote5 Prof. Ying Sun Drexel University, USA	14:00 14:45 Keynote7 Dr. Miad Yazdani United Technology Research Center,
14:00 15:20 Oral Session1 Pool Boiling 1	15:30 16:50 Oral Session5 Transition boiling	15:30 16:50 Oral Session9 Numerical simulation 1	14:45 16:05 Oral Session13 Critical heat flux 1
15:20 15:40 Coffee Break	16:50 17:10 Coffee break	16:50 17:10 Coffee break	16:05 16:25 Coffee break
15:40 17:40 Oral Session2 Pool Boiling 2	17:10 18:50 Oral Session6 Twophase flow boiling	17:10 18:50 Oral Session10 Numerical simulation 2	16:25 18:05 Oral Session14 Critical heat flux 2
17:40 18:00 Setup	18:50 19:50 Setup	18:50 19:50 Setup	18:05 19:30 Setup
18:00 20:00 Reception + Poster Session 1	19:50 21:50 Dinner	19:50 21:50 Committee dinner (Invited only)	19:20 21:20 Banquet

PROGRAM (ORAL)

Tentative version 3, Feb 12, 2018

Paper ID, Title, First author's name and Affiliation are given below

Day 1: Monday, March 12, 2018

13:15	14:00	Keynote lecture 1 Heat transfer paths during the periodic processes of drop impingement cooling and nucleate boiling	Prof. Peter Stephan Darmstadt University of Technology, Germany
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14:00 15:20 Oral session01 Pool Boiling 1

2135	Hydrodynamics of vapor bubble growth and detachment in a shear flow	Michel	LEBON	Institut de Mecanique des Fluides, Univ. Toulouse
2264	Contribution of evaporative heat transfer in pool nucleate boiling	Tomohide	Yabuki	Kyushu Institute of Technology
2145	Bubble behavior in subcooled boiling on a biphilic surface	Biao	Shen	Kyushu University, Japan
2225	Microbubble emission boiling exposed to a single-frequency acoustic field in a subcooled pool	Kentaro	Anju	Tokyo University of Science

15:20 15:40 Coffee Break

15:40 17:40 Oral session02 Pool Boiling 2

2215	Single isolated bubble growth on an artificial heat transfer surface with controlled heating duration	Manabu	Tange	Shibaura Institute of Technology
2086	Enhanced nucleate pool boiling of water and FC-72 on thin laser structured metal surfaces	Matevz	Zupancic	University of Ljubljana
2185	Numerical study on the evaporation of microlayer during nucleate pool boiling for water and ethanol	Zhihao	Chen	Tianjin University
2262	Numerical Investigation of isolated bubble growth and detachment in cases of pool boiling with different wettability characteristics: Implementation of a dynamic contact angle treatment in OpenFOAM	Manolia	Andredaki	Advanced Engineering Centre, University of Brighton
2274	Spatially Ordering of Multiscale Porous Copper Architecture for Enhancing Boiling	Quang	Pham	University of California, Irvine

18:00 20:00 Reception + Poster session1

Day 2 : Tuesday, March 13, 2018

9:00	9:45	Keynote lecture 2 Recent Advances on Evaporating Sessile Drops			Prof. Khellil Sefiane The University of Edinburgh, UK
9:45	11:05	Oral session03 Droplet			
	2221	Using Droplet Deposition Experiments to Determine Surface Wickability and Morphology Effects on Vaporization Processes	Claire	Wemp	University of California, Berkeley
	2234	Effect of fluid property on a single droplet impact on a heated surface	Tomonobu	NARA	Kogakuin university
	2187	Experimental determination of saturated single droplet-wall collision heat transfer regime map above static Leidenfrost temperature	Junseok	Park	Kyung Hee university
	2088	Behavior of sessile desiccant droplet on heated/cooled surfaces	Zhenying	Wang	Kyushu University
11:25	12:45	Oral session04 Boiling in Microchannels			
	2232	Measurements of void fraction of SES36 at low-temperature organic Rankine cycle conditions	Alihan	Kaya	Ghent University
	2093	1-D Modeling of pressure fluctuations and its effect on flow boiling heat transfer in a microtube	Shashwat	Jain	IIT Madras
	2235	Jet Impingement Hele-Shaw Flow Boiling with Water under Subatmospheric Pressure	Marek	Kapitz	Muenster University of Applied Sciences
	2134	Gravity effects on flow boiling heat transfer using temperature sensitive paints	Caleb	Hammer	University of Maryland
12:45	14:45	Lunch + Poster session2			
14:45	15:30	Keynote lecture 3 What is Wetting Initiation Condition near MHF point ? - Approaches by visualization, measurement and modeling -			Prof. Niro Nagai University of Fukui, Japan
15:30	16:50	Oral session05 Transition boiling			
	2096	Suppression of Leidenfrost state	Nazanin	Farokhnia	University of Houston
	2272	Experimental Investigation and Jet Impingement Boiling Model Development for Quenching of Steel Plates using a Circular, Upward Directed Water Jet: A Look at the Spatial Distribution of Heat Flux	Gilles Guemo	Guedia	CMPE, University of British Columbia
	2249	Influence of surface properties on cooling of high-temperature spheres in liquids	Arslan	Zabirov	NRU MPEI
	2245	Electrowetting-based control of the Leidenfrost state and film boiling	Arjang	Shahriari	The University of Texas at Austin
16:50	17:10	Coffee Break			
17:10	18:50	Oral session06 Twophase flow boiling			
	2202	Re-Flooding in Single- and Parallel-Channel Systems at High Temperature	Mamoru	Ozawa	Kansai University
	2269	A Looped Thermosyphon Having a Boiling Surface Fabricated by LISS for Electronic Device Cooling	Chieko	Kondou	nagasaki univ.
	2275	On the onset of drying of a liquid-containing porous medium subjected to a high surface heat flux	Kunito	Okuyama	Yokohama National University
	2286	Experimental investigation on the thermal performance of double-condenser pulsating heat pipe	Wookyoung	Kim	KAIST
	2257	CHF mechanism during pool boiling with nanofluids	Md. Qaisar	Raza	Indian Institute of Technology Patna

Day 3 : Wednesday, March 14, 2018

9:00	9:45	Keynote lecture 4 Basic Phenomena and Application of Condensation Heat Transfer Enhancement	Prof. Akio Miyara Saga University, Japan		
9:45	11:05	Oral session07 Condensation1			
	2189	Condensation heat transfer outside a vertical tube with temperature variation in the presence of noncondensable gas	Kentaro	Kanatani	Tokyo Institute of Technology
	2073	TUNNING COALESCENCE-INDUCED MICROMETER DROPLET-JUMPING HEAT TRANSFER ON SUPERHYDROPHOBIC SURFACES	Daniel	Orejon	I2CNER, Kyushu University
	2098	Experimental Investigation on Heat Transfer and Surface Wetting Phenomena During Vapor Condensation on Nano Textured Surfaces	Mete	Budakli	Turkish-German University,
	2266	Condensation of vapor injected to subcooled pool	Ichiro	Ueno	Tokyo University of Science
11:05	11:25	Coffee Break			
11:25	12:45	Oral session08 Condensation2			
	2079	Personal reflexions on some issues in dropwise condensation	John	Rose	Queen Mary University of London
	2130	Dropwise Condensation in the presence of Microstructures	Daniel	Orejon	I2CNER, Kyushu University
	2076	Nucleation and Droplet Distribution during Dropwise Condensation on Lubricant Infused Surfaces	Patricia	Weisensee	Washington University in St. Louis, USA
	2200	Dropwise condensation of flowing saturated steam: experimental results and modeling	Riccardo	Parin	University of Padova
12:45	14:45	Lunch + Poster session 3			
14:45	15:30	Keynote lecture 5 Temperature Profile Across a Liquid-Vapor Interface upon Phase Change: Results from Molecular Dynamics Simulations	Prof. Ying Sun Drexel University, USA		
15:30	16:50	Oral session09 Numerical simulation 1			
	2243	Toward a first principle based DNB detection model for application in CFD	Etienne	Demarly	Massachusetts Institute of Technology
	2195	Direct Numerical Simulation of the modified heat transfer in turbulent channel flow with condensation	Philipp	Bahavar	German Aerospace Center (DLR)
	2158	Direct Numerical Simulations of the condensation of a water droplet on a horizontal flat surface	Annagrazia	Orazzo	Institut de Mecanique des fluides de Toulouse (IMFT)
	2159	Atomistic and Macroscopic Perspective of Thin Film Boiling	M.	Hasan	Bangladesh University of Engineering and Technology (BUE)
16:50	17:10	Coffee Break			
17:10	18:50	Oral session10 Numerical simulation2			
	2156	Observation and modeling of bubble behavior in subcooled flow boiling	Tomio	Okawa	The University of Electro-Communications
	2199	Evaluation on evaporative heat transfer of expanding vapor bubble in microchannel by numerical simulation	Junnosuke	Okajima	Tohoku University
	2219	Droplet Size Distributions on Vertical and Horizontal Superhydrophobic Surfaces during Jumping-Droplet Condensation	Patrick	Birbarah	University of Illinois at Urbana Champaign
	2162	Direct numerical simulation of nucleate boiling in micro-layer or contact line regimes	Annafederica	Urbano	Institut de Mecanique des Fluides de Toulouse
	2276	Study on the Influence of Surface Characteristics on Condensation Heat Transfer under microgravity	Dongyang	Feng	Southeast University

Day 4 : Thursday, March 15, 2018

9:00	9:45	Keynote lecture 6 Spatiotemporally-Resolved Multi-Field Optical Measurements in Multiphase Flows				Dr. Christos N. Markides Imperial College London, UK
9:45	11:05	Oral session11 Condensation3				
	2173	Experimental study of condensation heat transfer on super-hydrophobic horizontal aluminum tubes	Dae-Yun	Ji		Handong Global University
	2099	Nanoscale-Agglomerate-Mediated Heterogeneous Nucleation	Hyeongyun	Cha		Universty of Illinois at Urbana-Champaign
	2136	EXPERIMENTAL STUDY ON CONDENSATION HEAT TRANSFER AND PRESSURE DROP OF R134a IN PARALLEL MINICHANNELS	Patricia	Soares		Federal University of Santa Catarina
	2172	Droplet dynamic-based heat transfer enhancement of vapor condensation in the presence of NCG with grooved superhydrophobic surface	Yaqi	Cheng		Dalian University of Technology
11:05	11:25	Coffee Break				
11:25	12:45	Oral session12 Measurement				
	2268	Pool Boiling on Porous Alumina Surface with and without Crack	Masahiro	Furuya		CRIEPI
	2168	Characterisation of saturated two-phase flows by means of fluorescence and phosphorescence techniques: a review	Samuel	MARTEL		Univ Lyon, CNRS, INSA-Lyon, CETHIL, UMR5008
	2140	ADVANCED IMAGING OF VERTICAL UPWARD ANNULAR TWO-PHASE FLOW DURING ONSET AND SUPPRESSION OF NUCLEATE BOILING	Guanyu	Su		Massachusetts Institute of Technology
	2230	Observation of bubble nucleation characteristics at advancing triple contact line of a large dry/hot patch as a triggering mechanism of critical heat flux	Satbyoul	Jung		Kyung Hee Univeristy
12:45	14:00	Lunch				
14:00	14:45	Keynote lecture 7 Computational Science of thermo-fluids: Practical Prediction to Perceptible Prognostics				Dr. Miad Yazdani United Technology Research Center, USA
14:45	16:05	Oral session13 Critical heat flux 1				
	2216	The effect of honeycomb porous plate on the chf of downward facing heated surface in the flow boiling of water	Shoji	Mori		Yokohama National University
	2138	Prediction of critical heat flux enhancement with receding behavior of wicked liquid on nanostructured surfaces	Hong Hyun	Son		Department of Nuclear Engineering, Hanyang University
	2256	Macrolayer formation model for prediction of critical heat flux in saturated and subcooled pool boiling	Ayako	Ono		Japan Atomic Energy Agency
	2213	Heat transfer and CHF in a shear-driven liquid film under local heating	Oleg	Kabov		Kutateladze Institute of Thermophysics
16:05	16:25	Coffee Break				
16:25	18:05	Oral session14 Critical heat flux 2				
	2144	Investigation of Pool Boiling Heat Transfer and CHF Enhancement on Nano-Engineered Surfaces using Advanced Diagnostics	Md Mahamud	Rahman		MIT
	2214	Assessing Wickability and Surface Morphology Effects on Boiling CHF for Nanostructured Hydrophilic Surfaces	Claire	Wemp		University of California, Berkeley
	2178	Experimental investigation of the flow boiling CHF of DI-water based nanofluids inside a 1.1 mm ID microchannel	Francisco	do Nascimento		University of Sao Paulo
	2233	Critical Heat Flux and Boiling Heat Transfer enhancement via passive and active techniques: micro engineering surfaces and electric field	Giacomo	Sacccone		DESTEC University of Pisa
	2228	Simulation of transient surface temperature Changes at subcooled flow boiling DNB	Wei	Liu		Kyushu University

PROGRAM (POSTER)

Tentative version 2, Feb. 8, 2018

Paper ID, Title, First author's name and Affiliation are given below

Day 1: Monday, March 12, 2018

18:00 20:00 Poster session1 + Reception

2087	Experimental investigation of nucleate boiling on enhanced surfaces	Matthias Zimmermann	Technische Universitat Darmstadt
2080	Mechanizm of gas-liquid exchange in microbubble emission boiling	Tadashi Furusho	Tokyo University of Science - Yamaguchi
2077	Experimental investigations of pool boiling on a vertical tube in the confined vs. unconfined spaces	NAIHUA WANG	Shandong University
2092	Boiling Heat Transfer: a Problem of the Major Cooling Mechanism	Giorgi Gigineishvili	Georgian Technical University
2141	Influence of heating surface conditions and nanofluid concentration on roughness, wettability and wall-temperature profile for pool boiling	Alex da Cunha	Sao Paulo State University - UNESP/Ilha Solteira
2146	Visualization study of capillary-induced flow and critical heat flux on structured surfaces using synchrotron X-ray imaging	Dong In Yu	Pukyong National University, Republic of Korea
2150	STUDY ON TEMPERATURE MEASUREMENT AROUND ISOLATED NUCLEATE BOILING BUBBLE WITH A MINIATURE THERMOCOUPLE	Mao Takeyama	Kyoto University
2149	Effect of surface wettability on bubble dynamics and heat transfer at pool boiling	Anton Surtaev	Kutateladze Institute of Thermophysics, Novosibirsk State University
2278	Local and integral characteristics of heat transfer at pool boiling on transparent heater	Anton Surtaev	Kutateladze Institute of Thermophysics, Novosibirsk State University
2152	Pool boiling of water and solution on vertical surface with coatings	Mingyan Liu	Tianjin University
2222	Effect of entrained droplets of ambient liquid on condensation of pinching-off vapor bubble in subcooled pool	Masahiro Okada	Tokyo University of Science
2100	Pool boiling heat transfer for ammonia using open-celled metal foams to augment the process	Kashif Nawaz	ORNL
2227	Pool Boiling of Mini-Tube Bundles	Roy Bartle	University of Oxford

2265	Pool boiling of different working fluids on surfaces with open microchannels	Robert	Pastuszko	Kielce University of Technology
2238	Pool boiling heat transfer measurements in vertical channels with a low global warming potential refrigerant	Ilya	T'Jollyn	Ghent University
2074	EXPERIMENTAL STUDY OF NUCLEATE POOL BOILING HEAT TRANSFER ON A HORIZONTAL PLAIN COPPER TUBE FOR R245FA AND R1233ZD(E)	Matthias	Welzl	Center of Energy Technology (ZET), University of Bayreuth
2169	Flow boiling heat transfer of binary and ternary non-azeotropic mixtures	Marco	Azzolin	University of Padova
2190	Liquid-vapor phase displacement of a capillary evaporator in various operations of a loop heat pipe	Yosuke	Ueda	Toyohashi University of Technology
2242	The flow characteristics in a distillation column. Influence of clearance of packing and physical property of working fluid	Mayuho	Kitagawa	Kansai University
2164	Experimental investigation of heating and cooling conditions for hydro fluoro ether pulsating heat pipes with radial channels	Shigemasa	YAMAGAMI	The University of Kitakyushu
2155	Experimental Study on DNB detection parameters in Subcooled Flow Boiling	Mizuki	Semba	University of Hyogo
2097	Influence of nucleation model on heat transfer characteristics in three-dimensional boiling simulation	Satoshi	Kimura	Mie University
2244	A cavity size independent Model for onset of nucleate boiling and bubble departure frequency based on thermal boundary layer energy limit	Ravikishore	Kommajosyula	Massachusetts Institute of Technology
2247	CFD modeling of subcooled flow boiling in helical coils	Ravi	Prattipati	GITAM University
2085	Flow visualization of R-245fa boiling in a brazed plate heat exchanger (BPHE) near the micro-macroscale transition	Hyun Jin	Kim	University of Illinois at Urbana-Champaign
2089	Boiling heat transfer from heated surface with porous medium in mini-channel flow	Seitaro	Suwa	Shibaura institute of technology
2129	Influence of Flow Obstacle on Critical Heat Flux in Two-Phase Boundary Layer Flow	Uiju	Jeong	Department of Nuclear Engineering, Hanyang University
2132	Boiling heat transfer of micro-pillared copper in a mini-scaled channel flow	Takashi	Yamada	Shibaura Institute of Technology
2143	Boiling heat transfer characteristics of low GWP working fluids at low mass and heat fluxes	An	Zhao	The University of Tokyo
2267	Gravitational effect for force convective nucleate boiling heat transfer of liquid nitrogen in metal porous media	Asuka	Hariu	Tohoku University
2206	Classification of Critical Heat Flux Mechanisms for Downward Flow	Yoshiki	Kawazoe	Kansai University
2183	Evaporation Characteristics of Meniscus in Various Geometrical Configurations	Shu	Soma	Kyoto University
2196	Heat and Mass Transfer in Forced Convective Duct Flow with Condensation on One Wall	Christian	Bruckner	German Aerospace Center (DLR)

2248	A study on mechanism of microbubble emission boiling	Jin	Nakamura	Kyushu Institute of Technology
2254	Drops propelled by wettability contrasts on microtextured surfaces	Yutaku	Kita	Kyushu University
2259	Visualization of Liquid Temperature Field in Microbubble Emission Boiling	Tadashi	Furusho	Tokyo Univ. of Science, Yamaguchi
2285	BOILING HEAT TRANSFER ANALYSIS OF SUBCOOLED TWO-INTERACTING JETS IMPINGEMENT ON HOT STEEL PLATE	Sang Gun	Lee	Korea Institute of Machinery and Materials
2102	Solutio-thermal Marangoni enhanced evaporation kinetics of pendant complex fluid droplets	A R	HARIKRISHN	Indian Institute of Technology Madras

Day 2 : Tuesday, March 13, 2018

12:45 14:45 Poster session2 + Lunch

2151	Pool boiling heat transfer around a horizontal low thermal conductivity tube under isothermal wall condition	Shigeo	Hironaka	Kobe University
2192	A novel impinged surface for pool boiling heat transfer enhancement	Rinku	Gouda	Indian Institute of Technology Patna
2218	ANALYSIS OF NEURAL NETWORK ARCHITECTURE FOR POOL BOILING REGIME IDENTIFICATION	Gustavo	Hobold	Federal University of Santa Catarina
2270	Effect of cavitation and microbubble streaming during pool boiling of saturated water	Saikat	Chakraborty	IIT Madras
2194	A Parametric Study of Steam-Air Mixture Condensation on a Vertical Tube under Natural Circulation Condition	Jinhoon	Kang	Pusan National University
2210	Droplet evaporation and particle deposition phenomena on periodically sprayed wall	Ji Hoon	Kim	Incheon National University
2251	Film boiling of water-ethanol mixtures	Arslan	Zabirov	NRU MPEI
2255	Investigation of flow boiling phenomena for hydrogen in a horizontal tube	Yuki	Sakamoto	Waseda University
2082	GAS-ASSISTED EVAPORATION AND BOILING IN MINI-CHANNELS	Hung-Yi	Wu	National Tsing Hua University
2279	Comparison of Molecular Dynamics simulations against DSMC and the kinetic S-model of liquid layer evaporation and condensation	Moritz	Wolf	Nokia Bell Labs, Ireland
2101	Multi-stage air-inlet adiabatic two-phase flow simulations for understanding flow boiling instabilities	Anil	Gorasiya	Indian Institute of Technology Bombay, INDIA
2205	EXPERIMENTAL STUDY OF NUCLEATE AND FILM BOILING DURING TRANSIENT HEATING	Valentin	Scheiff	IMFT - IRSN
2273	Measurement of surface temperature and heat flux on vicinity of wetting front during subcooled water jet quenching	Yuichi	Mitsutake	Saga Univ.
2142	Experimental Study of Heat Flux Partitioning in Pressurized Subcooled Flow Boiling	Andrew	Richenderfer	MIT
2191	Numerical simulation of forced convection film boiling over a cylinder with a Coupled Level Set and Volume of Fluid method	Nikhil	Singh	Indian Institute of Technology Delhi, New Delhi

2211	A computational framework for modeling contact angle hysteresis	Malcolm	Macdonald	United Technologies Research Center
2246	Analysis of condensation heat transfer and flow regime transitions in wavy microchannels based on the volume of fluid method	Yuchuan	Lei	Southeast University, School of Energy and Environment
2263	A three-dimensional lattice Boltzmann modeling for single and multiple droplet growth dynamics during condensation	Nilesh	Pawar	Indian Institute of Technology Delhi
2157	Enhancement of boiling heat transfer in narrow channel with micro-nozzle inlet array	Ryota	Hagiwara	University of Hyogo
2186	Characteristic frequencies of flow patterns during flow boiling of propylene	Jeferson	de Oliveira	Federal University of Santa Catarina
2188	Numerical simulation of bubble growth and heat transfer at microscale using dynamic contact angle model	Ayyaz	Siddique	Indian Institute of Technology Bombay, INDIA
2193	Flow Instability and CHF Characteristics in Segmented Finned Microchannels	Sumit	Raj	Indian Institute of Technology Patna
2271	Surface structure enhanced microchannel flow boiling of hydrofluoroether dielectric fluids	Jay	Sircar	Massachusetts Institute of Technology
2081	A generalized correlation for pool nucleate boiling in commercial modified finned tubes	LiDong	Huang	Heat Transfer Research, Inc.
2153	Flow boiling enhancement by fluidized solid particles in an evaporator	Mingyan	Liu	Tianjin University
2184	Boiling heat transfer enhancement using anode oxidation of aluminum in liquid nitrogen	Katsuyoshi	Fukiba	Shizuoka University
2131	Dependency of nanoscale particles on liquid spreading and CHF enhancement	Namgook	Kim	Department of Nuclear Engineering, Hanyang University
2147	Improvement of CHF Correlation for downward flow in thin rectangular channel	Huiyung	Kim	Pusan national university
2163	A Study on the Behavior of the Void Phase at Critical Heat Flux in Subcooled Flow Boiling of a Coolant on a Copper Surface	Moritz	Bruder	Technical University of Munich
2208	Transient boiling in a rapid heating device	Wladimir	Bergez	Institute of Fluid Mechanics, University of Toulouse
2090	Condensation Heat Transfer Performance of Scalable Cerium Oxide Nanostructured Surfaces	Jaehwan	Shim	KyungHee University
2094	Dropwise Condensation on Hydrophilic Surfaces	Alex	Wu	University of Illinois at Urbana-Champaign
2223	Effect of Surface Structure and Oil Viscosity during Condensation on Slippery Lubricant-Infused Porous Surfaces	Yota	Maeda	Kyushu University
2239	Design of hydrophobic reentrant structures for condensation applications	Kyle	Wilke	Massachusetts Institute of Technology
2261	Effects of Roughness and Surface Wettability on Condensation in Presence of Noncondensable Gases	Chayan	Das	Jadavpur University, Kolkata, India
2236	Automatic differentiation for the Helmholtz type equation of state	Tomohiko	Yamaguchi	Nagasaki University
2174	Boiling regime transition in impinging droplet on heated surface with micro pillar arrays	Su Cheong	Park	POSTECH
2241	Counter-current thermocapillary migration of bubbles in self-rewetting liquids	Robson	Nazareth	The University of Edinburgh, UK
2240	Evaporation of Binary Mixtures: Pools and Sessile Droplets	Adam	Williams	The University of Edinburgh, UK

Day 3 : Wednesday, March 14, 2018

12:45 14:45

Poster session 3 + Lunch

2224	Vapor bubble behaviors and heat transfer characteristics of microbubble emission boiling on horizontal circular heated surface in ultrasonic field	Shu	Miyashita	Tokyo University of Science
2258	Pool boiling with aqueous ionic liquid solution	Nirbhay	Kumar	Indian Institute of Technology Patna
2229	Tuning of nucleate boiling heat transfer using a vapor-philic mesh in a sub-cooled boiling condition	Hyungmo	Kim	Korea Atomic Energy Research Institute
2137	Convective condensation of n-Pentane inside parallel microchannels in a commercial aluminum MPE tube	Danielle	Lima	Federal University of Santa Catarina, Brazil
2083	Investigation into the influence of surface roughness on falling film evaporation heat transfer of refrigerant R-134a	Bradley	Bock	University of Pretoria
2167	Numerical investigation of natural convective condensation heat transfer with non-condensable gases and its enhancement in the reactor containment	Wen	Fu	Tsinghua University
2203	Boiling heat transfer characteristics of R245fa at various mass fluxes in a horizontal macro tube	Wilhelm	van den Bergh	University of Pretoria
2091	Measurement about Vapor Phase and Onset of Dryout in a Heat Pipe System	Shotaro	Kameyama	Shibaura Institute of Technology
2139	A Comparative Study of Flow Regimes and Thermal Performance between Flat Plate Pulsating Heat Pipe(FPPHP) and Capillary Tube Pulsating Heat Pipe(CTPHP)	Anand	Takawale	Indian Institute of Technology Madras
2201	Performance of loop heat pipe with flat-rectangular evaporator under different operating conditions	Hien	HUYNH	Saga University
2212	Experimental study of condensation and evaporation heat transfer characteristics inside small-diameter 2.5 mm tubes	Md. Khairul	Bashar	Saga University
2280	Thermal dimples: spatial and temporal details of transition from nucleate to leidenfrost boiling	Vikash	Kumar	NOKIA Bell Labs
2161	The influence of liquid/vapor phase change onto the Nusselt number	Elena-Roxar	Popescu	Institut de Mecanique des Fluides de Toulouse
2182	Theoretical and experimental study for the determination of the fluid inventory in refrigeration systems using HFC-134a and HFO-1234yf as refrigerant	Gleberson	Humia	Universidade Federal de Minas Gerais - UFMG
2231	Numerical study of rarefaction effects on coalescence-induced droplet jumping	Shenghui	LEI	Bell Labs, Nokia
2292	NUMERICAL MODELLING OF TURBULENT CONDENSATING FLOWS IN A SMOOTH HORIZONTAL TUBE	Diksha	Juggurnath	University of Mauritius
2084	Numerical simulation of the the heat and fluid flow in the thermal boundary layer around a single vapor bubble in flow boiling under microgravity conditions	Benjamin	Franz	TU Darmstadt
2204	Heat transfer coefficient in flow boiling in tube in normal and microgravity conditions	Esli	Trejo	Institute of Fluid Mechanics, University of Toulouse
2237	Effect of spatial orientation of an enhanced surface minichannel and study on flow boiling heat transfer of cooling liquids	Kinga	Str?k	Kielce University of Technology
2252	Treffitz method in identification of the heat transfer in flow boiling of refrigerants in an annular gap	Magdalena	Piasecka	Kielce University of Technology, Poland

2253	Transient heat transfer coefficient determination by the FEM with Trefftz-type basis functions in flow boiling in a minichannel	Beata	Maciejewska	Kielce University of Technology
2283	Laminar annular film condensation in microchannels	Khoudor	Keniar	Georgia Institute of Technology
2284	Condensation of propane in vertical minichannels	Daniel	Murphy	Mainstream Engineering
2165	R1234ze(E) vaporization inside a 4.0 mm OD microfin tube: experimental data and models	Andrea	Diani	University of Padova
2133	CHF Simulation using a Non-heating Experimental Method based on Analogy Concept	Hae-Kyun	Park	Kyung-Hee University
2154	Dropwise Condensation on Nickel-Based Coating Tube	Wang	Naihua	Shandong University
2170	The preparation of graphene-TEFLON hydrophobic coating and its application in dropwise condensation	Bingang	Du	Dalian University of Technology
2171	Droplet Dynamics and Heat Transfer Performance of Mixed Vapor Condensation: the Influence of Centrifugal Field	Xuehu	Ma	Dalian University of Technology
2220	Condensation mechanism on metallic plant surfaces	Alexandros	Askounis	I2CNER, Kyushu University
2180	Steam Condensation in a High Aspect Ratio Microchannel with Pin Fins	Abdolali	Khalili Sadagh	Sabancı University
2207	ELECTRIC FIELD ENHANCED DROP SHEDDING FOR DROPWISE CONDENSATION ON FUNCTIONALIZED SURFACES	Davood	Baratian	University of Twente
2072	TUNNING COALESCENCE-INDUCED DROPLET-JUMPING PERFORMANCE ON SUPERHYDROPHOBIC SURFACES BY PRESENCE OR ABSENCE OF MICROSTRUCTURES	Daniel	Orejon	I2CNER, Kyushu University
2226	Condensing Heat Transfer Characteristic of HFC-134a in a Quadrilobed Tube	Ryota	Hiramatsu	Kobe University
2291	Condensation heat transfer and pressure drop of refrigerant HFC-134a and HFO-1234yf in microchannels	Hamid	Nalbandian	National Central University, Taiwan
2277	Beyond binary droplet jumping dynamics	Ryan	Enright	Nokia Bell Labs
2181	Extreme Anti-Icing Surfaces	Peyman	Irajizad	University of Houston
2217	Quenching Experiments for Hydrophobic-Coated Zircaloy-4 Tubes in High-Temperature Conditions	Chan	Lee	Korea Atomic Energy Research Institute