



FFHMT 7TH INTERNATIONAL CONFERENCE OF FLUID FLOW,
2020 HEAT AND MASS TRANSFER (FFHMT'20)

EHST 4TH INTERNATIONAL CONFERENCE OF ENERGY
2020 HARVESTING, STORAGE, AND TRANSFER (EHST'20)

November 15, 2020 - November 17, 2020 | ~~Niagara Falls, Canada~~ | Virtual Conference

**FFHMT'20 &
EHST'20**

November 16

November 17

**OUR PROGRAM SCHEDULE IS BASED ON EASTERN TIME
(ET - OTTAWA TIME)**

FFHMT'20 & EHST'20

Registrants from the two conferences are permitted and encouraged to attend sessions from any of the two conferences.

FFHMT'20 & EHST'20 Scientific Committee Chair



Dr. Boguslaw Kruczek

University of Ottawa, Canada
Conference Chair

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Dr. Xianshe Feng

University of Waterloo, Canada
Conference Co-Chair

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Dr. Wael H. Ahmed

University of Guelph, Canada
Technical Program Chair

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NOVEMBER 16

8:00 AM - 9:00 AM	Registrations
9:00 AM - 9:10 AM	Official Opening
	Dr. Boguslaw Kruczek, University of Ottawa, Canada
9:10 AM - 10:10 AM	FFHMT'20 PLENARY LECTURE
	<u>Application and Drying of Automotive Paints</u> Dr. Sanjeev Chandra, University of Toronto, Canada
10:10 AM - 10:55 AM	EHST'20 KEYNOTE LECTURE
	<u>Innovative Materials for Energy Efficient Buildings</u> Dr. Laurent Pilon, University of California, LA, USA
10:55 AM - 11:05 AM	Break
11:05 AM - 12:35 PM	SESSION <u>Flow, Heat and Mass Transfer Devices</u>

NOVEMBER 16

12:35 PM - 12:55 PM Lunch Break

12:55 PM - 1:55 PM

Session

[Energy Harvesting, Storage, and Management](#)

1:55 PM - 2:30 PM

Session

[CFD I](#)

2:30 PM - 2:40 PM

Break

2:40 PM - 3:45 PM

Session

[Two and Multiphase Flow and Heat Transfer](#)

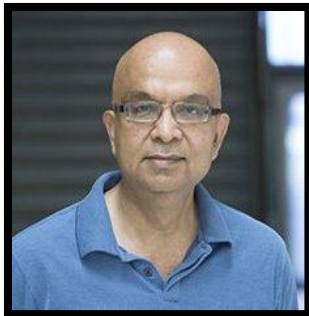
3:45 PM - 4:30 PM

Session

[Numerical Flow and Heat Transfer](#)

FFHMT'20 PLENARY LECTURE

NOVEMBER 16 | 9:10 AM - 10:10 AM | SESSION CHAIR: DR. BOGUSLAW KRUCZEK, UNIVERSITY OF OTTAWA, CANADA



Titles: Application and Drying of Automotive Paints

Dr. Sanjeev Chandra, University of Toronto, Canada

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Sanjeev Chandra is a Professor in the Department of Mechanical and Industrial Engineering at the University of Toronto, which he joined in 1990. He received his B. Tech. from the Indian Institute of Technology, Kanpur (1981) his MS from Vanderbilt University (1983) and Ph.D. from Cornell University (1990). He has served as the Associate Chair (undergraduate studies), Associate Chair (graduate studies), Vice-Chair and Acting Chair of the MIE department, and Acting Vice-Dean (undergraduate studies) of the Faculty of Applied Science and Engineering.

Prof. Chandra is known internationally for his research on the dynamics of droplets and sprays and is one of the founders of the Centre for Advanced Coating Technologies at the University of Toronto. His research spans the areas of fluid mechanics, heat transfer and materials science and has also been applied in spray coating, spray cooling, spray painting, ink-jet printing, electronic cooling and waste heat recovery. Prof. Chandra has published over 200 papers in referred journals and international conference proceedings. He teaches courses in thermodynamics and heat transfer and has served as visiting professor at the University of Limoges (France) Korea University (S. Korea), the University of Bremen (Germany), the University of Darmstadt (Germany), Nanyang Technical University (Singapore) and the University of Brighton (UK). He has written an undergraduate textbook on thermodynamics and several chapters for books on the subjects of thermal spray coating, heat transfer and sprays. In 2010 he was awarded the The Brockhouse Canada Prize for Interdisciplinary Research, awarded by the Natural Sciences and Engineering Research Council of Canada to recognize outstanding collaborative research. In 2015 he was awarded the Jules Stachiewicz Medal by the Canadian Society for Mechanical Engineering for outstanding contributions to heat transfer. He is a Fellow of the Canadian Academy of Engineering, the American Society of Mechanical Engineers, the Canadian Society for Mechanical Engineering and the American Association for the Advancement of Science.

EHST'20 KEYNOTE LECTURE

NOVEMBER 16 | 10:10 AM - 10:55 AM | SESSION CHAIR: DR. BOGUSLAW KRUCZEK,
UNIVERSITY OF OTTAWA, CANADA



Titles: Innovative Materials for Energy
Efficient Buildings
[Dr. Laurent Pilon, University of California,
LA, USA](#)

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Laurent Pilon received his B.S. and M.S. in Applied Physics from the Grenoble Institute of Technology, France and his PhD in Mechanical Engineering from Purdue University, USA in 2002. He then joined the Mechanical and Aerospace Engineering Department at the University of California, Los Angeles (UCLA) where he is now Professor. His research group is engaged in a wide range of interdisciplinary research projects at the intersection of interfacial and transport phenomena, material science, and biology for the development of sustainable energy conversion, storage, and efficiency technologies. He has authored more than 160 archival journal publications. He is also the recipient of several awards including the CAREER Award from the National Science Foundation and the Bergles-Rohsenow Young Investigator Award in Heat Transfer from the American Society of Mechanical Engineers (ASME). He is a Fellow of ASME and a member of the Scientific Council of the International Center for Heat and Mass Transfer (ICHMT).

SESSION

FLOW, HEAT AND MASS TRANSFER DEVICES

NOVEMBER 16 | 11:05 AM - 12:35 PM | SESSION CHAIR: DR. MOSTAFA ELSHARQAWY,
UNIVERSITY OF GUELPH, CANADA

Titles: Experimental Investigation of Humidification Efficiency of a Structured Packing-Based Counter Flow Humidification System

FFHMT 156

Time: 11:05 - 11:20

Presenter: Sampath Suranjan Salins, Research Scholar, UAE

Authors: Sampath Suranjan Salins, S V Kota Reddy, Shivakumar

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Titles: Enhanced Water Molecule Diffusion in Direct Air Electrodialysis Membrane-based Dehumidification System

FFHMT 167

Time: 11:20 - 11:35

Presenter: Muxing Zhang, Southeast University, China

Authors: Muxing Zhang, Xiaosong Zhang, Kwok Wei Shah

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Titles: Heat Transfer by a Briefcase-shaped Air Cooler Using Thermoelectric Cooling Technology: A Case Study

FFHMT 173

Time: **Presenter** 11:35 - 11:50

: Abu Raihan Mohammad Siddique, University of Guelph, Canada

Authors: Abu Raihan Mohammad Siddique, Syed Tabeeb Wasit Bin Hasan, Mohammad Reza Mohaghegh, Shaikh Hasibul Majid, Shohel Mahmud

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SESSION

FLOW, HEAT AND MASS TRANSFER DEVICES

NOVEMBER 16 | 11:05 AM - 12:35 PM | SESSION CHAIR: DR. BOGUSLAW KRUCZEK,
UNIVERSITY OF OTTAWA, CANADA

Titles: Influence of Plate Geometry on Sensible Effectiveness of Fixed-Bed Regenerators

FFHMT 185

Time: 11:50 - 12:05

Presenter: Easwaran Krishnan, University of Saskatchewan, Canada

Authors: Easwaran N. Krishnan, Hadi Ramin, Gurubalan Annadurai, Carey J.

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Titles: Parametric Analysis for Varying Packing Materials & Water Temperatures in a Humidifier

FFHMT 196

Time: 12:05 - 12:20

Presenter: Sampath Suranjan Salins, Research Scholar, UAE

Authors: Sampath Suranjan Salins, Shahida A Siddiqui, S.V. Kota Reddy, Shiva Kumar

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Titles: Water Suspension Infiltration with Adsorption Including Heat Transport in Unsaturated-Saturated Porous Media

FFHMT 117

Time: 12:20 - 12:35

Presenter: Jozefa Lukovičová, STU in Bratislava, Slovakia

Authors: Jozefa Lukovičová, Jozef Kačur, Patrik Mihala

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SESSION

ENERGY HARVESTING, STORAGE, AND MANAGEMENT

NOVEMBER 16 | 12:55 PM - 1:55 PM | SESSION CHAIR: DR. SAHBA SADIR, INSTITUTE FOR MICRO PROCESS ENGINEERING (IMVT)_KIT, GERMANY

Titles: Numerical Modeling of Surface Roughness Effects on the Natural Frequency of a Silicon Cantilever

EHST 109

Time: 12:55 - 1:10

Presenter: Jean Marriz Manzano Electrical and Electronics Engineering Institute Philippines

Authors: Jean Marriz Manzano, Magdaleno Vasquez, Marc Rosales, Maria Theresa De Leon

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Titles: Experimental Investigation of Energy Consumption of A Commercial Walk-in Freezer

EHST 119

Time: 1:10 - 1:25

Presenter: Mostafa Elsharqawy, University of Guelph, Canada

Authors: Mohamed Metwalli, Minhajul Haque Minar, Mostafa H. Sharqawy

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Titles: A Smart Billing System for Enhancement of Renewable Energy to Non-Electrified Communities in Nigeria

EHST 134

Time: 1:25 - 1:40

Presenter: Abraham Olufemi Abiodun, Graduate School of Technology, Kobe Institute of Computing Japan

Authors: Olufemi Abraham

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Titles: Optimal Planning of Energy Storage System in a PV Integrated Semi-Urban Microgrid Pilot

EHST 149

Time: 1:40 - 1:55

Presenter: Suresh Chandra Srivastava, Indian Institute of Technology Kanpur, India

Authors: Viresh S. Patel, Anju Meghwani, Suresh C. Srivastava, Ankush Sharma

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SESSION

CFD I

NOVEMBER 16 | 1:55 PM - 2:30 PM | SESSION CHAIR: DR. SAHBA SADIR, INSTITUTE FOR MICRO PROCESS ENGINEERING (IMVT)_KIT, GERMANY

Titles: Numerical Investigation of Turbulent Flow inside a Cubical Cavity with Heat Transfer from the Top

FFHMT 120

Time: 1:55 - 2:00

Presenter: Vitaly Haslavsky, Azrieli College of Engineering, Israel

Authors: Vitaly Haslavsky, Helena VitoshkinSimonson

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Titles: Experimental and Numerical Study of a Latent Heat Thermal Energy Storage System Enhanced with Fins

FFHMT 134

Time: 2:00 - 2:15

Presenter: Saeed Tiari, Gannon University, United States

Authors: Saeed Tiari, Addison Hockins, Samantha Moretti

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Titles: Numerical Study of the Cavitating Flow through a Venturi Section by Means of OpenFOAM and Gmsh Tool

FFHMT 148

Time: 2:15 - 2:30

Presenter: Víctor Hidalgo, ESCUELA POLITECNICA NACIONAL, Ecuador

Authors: Víctor Hidalgo, Gisell Suárez, Jose Erazo, Diana Puga, David Marquez, Ignacio Benavides, Esteban Valencia, XianWu Luo

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SESSION

TWO AND MULTIPHASE FLOW AND HEAT TRANSFER

NOVEMBER 16 | 2:40 PM - 3:40 PM | SESSION CHAIR: DR. KYOSUNG CHOO, YOUNGSTOWN STATE UNIVERSITY, UNITED STATES

Titles: Effect of Multiple Water Impinging Jet Array on Quenching Hot Rotary Hollow Cylinders

FFHMT 171

Time: 2:40 - 2:55

Presenter: Mohammad, Jahedi University of Gävle, Sweden

Authors: Mohammad Jahedi, Bahram Moshfegh

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Titles: Prediction of Two-Phase Flow Patterns Using Machine Learning Algorithms

FFHMT 182

Time: 2:55 - 3:10

Presenter: Naief Almalki, University of Guelph, Canada

Authors: Naief Almalki, Wael H. Ahmed

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Titles: Design Algorithm Evaluation of Swirler-Injector Systems in Liquid-Burning Combustion Chambers

EHST 194

Time: 3:10 - 3:25

Presenter: Arash Mousemi, University of British Columbia, Canada

Authors: Arash Mousemi, Sepehr Mosadegh, Alireza Khademi, Giancarlo Sorrentino

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Titles: Comparative Study for Prediction Accuracy of RANS Turbulence Models: Multi-Phase Flow in the Cavitating Venturi

FFHMT 199

Time: 3:25 - 3:40

Presenter: Gong-Hee Lee Korea, Institute of Nuclear Safety, South Korea

Authors: Gong-Hee Lee Korea

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SESSION

NUMERICAL FLOW AND HEAT TRANSFER

NOVEMBER 16 | 3:40 PM - 4:25 PM | SESSION CHAIR: DR. WAEL H. AHMED, UNIVERSITY OF GUELPH, CANADA

Titles: Thermal Simulation of Big Area Additive Manufacturing

FFHMT 111

Time: 3:40 - 3:55

Presenter: Brian K. Friedrich II, Youngstown State University, United States

Authors: Brian Friedrich, Kyosung Choo

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Titles: Simulation of a Research Data Centre Room in an Academic Campus

FFHMT 189

Time: 3:55 - 4:10

Presenter: Khaled Alsharif, Youngstown State University, United States

Authors: Khaled Alsharif, Kyosung Choo

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Titles: Parallel Finite Element Approach for large Thermal Problems Applied to Glass Bending Furnace

FFHMT 215

Time: 4:10 - 4:25

Presenter: Marc Baydoun, Saint Gobain - Mines ParisTech, France

Authors: Marc Baydoun

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NOVEMBER 17

9:00 AM - 10:00 AM FFHMT'20 PLENARY LECTURE

[Freezing of Living Cells and Organs: A Great Challenge for Thermal Science and Technology](#)
Dr. Dayong Gao, University of Washington, USA

10:00 AM - 10:45 AM FFHMT'20 KEYNOTE LECTURE

[Reduced Order Modeling is the Road to Faster and Safer In-Flight Icing Certification](#)
Dr. Wagdi G. Habashi, McGill University, Canada

10:45 AM - 10:55 AM BREAK

10:55 AM - 12:00 PM SESSION
[CFD II](#)

12:00 PM - 12:45 PM SESSION
[Sustainable Energy](#)

12:45 PM - 1:05 PM Lunch Break

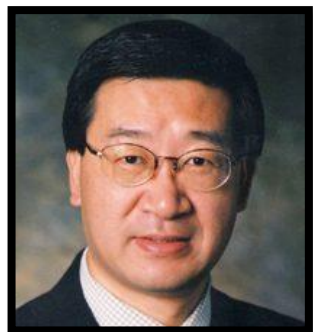
1:05 PM - 2:05 PM SESSION
[Analytical Solution of Conservation Equations](#)

2:05 PM - 3:25 PM SESSION
[Experimental Fluid Flow and Heat Transfer](#)

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KEYNOTE LECTURE

NOVEMBER 17 | 9:00 AM - 10:00 AM | SESSION CHAIR: DR. BOGUSLAW KRUCZEK, UNIVERSITY OF OTTAWA, CANADA



Titles: Freezing of Living Cells and Organs: A Great Challenge for Thermal Science and Technology

[Dr. Dayong Gao, University of Washington, USA](#)

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Dr. Dayong Gao is Origincell Endowed Professor in Department of Mechanical Engineering and Director of Center for Cryo-Biomedical Engineering and Artificial Organs, University of Washington, Seattle, WA, USA. Prior to joining University of Washington, he was a Professor, Alumni Endowed Professor, and Baxter Healthcare Corp Chair of Mechanical Engineering at University of Kentucky, Lexington, KY, USA.

Dr. Gao's major research has been focusing on the following bio-mechanical engineering areas for the past 30 years: (1) cryogenic engineering and cryobiology: revealing the fundamental mechanisms of cryoinjury and cryoprotection to living biological systems at low temperatures, and developing optimal methods and novel technology for long-term cryopreservation and biobanking of living cells, tissues, and organs for use in cellular therapy, tissue engineering, regenerative medicine, new drug development, organ transplantation, and bio-conservation of endangered species, etc. (2) artificial kidney and liver systems, for the life-saving treatment of end-stage kidney and liver failure; and (3) bio-instruments and micro-sensors (BioMEMS) for rapid and cost-effective diagnosis of diseases with high sensitivity and specificity. His research work has been supported by awards and grants from National Institutes of Health (NIH), National Science Foundation, National Cancer Society, American Heart Association, Bill and Melinda Gates Foundation, Whitaker Foundation, Washington Research Foundation, and industrial companies.

For more information Please Visit:

<https://ffhmt.com/program/>

KEYNOTE LECTURE

NOVEMBER 17 | 10:00 AM - 10:45 AM | SESSION CHAIR: DR. BOGUSLAW KRUCZEK,
UNIVERSITY OF OTTAWA, CANADA



Titles: Reduced Order Modeling is the Road to Faster and Safer In-Flight Icing Certification

[Dr. Wagdi G. Habashi, McGill University, Canada](#)

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Wagdi Habashi is a Professor in the Mechanical Engineering Department of McGill University and directs its Computational Fluid Dynamics Laboratory. He has held, for the last 19 years, 3 successive NSERC Industrial Research Chairs with Bombardier (aircraft), Bell (helicopters), CAE (simulators) and Lockheed Martin (hypersonic transport).

Professor Habashi holds a PhD in Aeronautical Engineering from Cornell and has been active for 40 years with Aerospace OEMs internationally, with close to 400 publications, at least one third of them with industry.

Dr. Habashi established Newmerical Technologies International (NTI), developer of the FENSAP-ICE In-Flight Icing Simulation System currently used in 24 countries. NTI was acquired by ANSYS in 2015. Following this, Professor Habashi started CERTIF-ICE, a one-stop-shop for in-flight icing certification, responsible for the successful natural icing campaigns, in Canada, of COMAC's ARJ21 (turbofan) and AVIC's Y-12F (turboprop).

Habashi is a Knight of the Order of Québec, a Fellow of the Academy of Sciences of the Royal Society of Canada, of the Canadian Academy of Engineering, of the American Institute of Aeronautics and Astronautics, of the American Society of Mechanical Engineers and of Pratt & Whitney Canada. He is the recipient of a multitude of scientific and industrial awards among them the Steacie, Killam, Floyd, McCurdy and several others.

SESSION

CFD II

NOVEMBER 17 | 10:55 AM - 12:00 PM | SESSION CHAIR: DR. WAEL H. AHMED, UNIVERSITY OF GUELPH, CANADA

Titles: CFD Simulation of Flow Maldistribution due to Blockage in Microstructured Heat Exchanger

FFHMT 176

Time: 10:55 - 11:10

Presenter: Sahba Sadir, Institute for Micro Process Engineering (IMVT)_KIT, Germany

Authors: Sahba Sadir, Christoph Spiegel, Wolfgang Augustin, Stephan Scholl and Manfred Kraut

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Titles: Modeling Combustion and Heat Transfer in a Single-Element GCH₄/GOX Rocket Combustor

FFHMT 178

Time: 11:10 - 11:25

Presenter: Christof Roth, Technical University Munich, Germany

Authors: Christof Roth, Nikolaos Perakis, Oskar J. Haidn

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Titles: A Parametric Study Of The Effects Of Cathode Geometry On Tungsten Inert Gas Electric Arcs

FFHMT 200

Time: 11:25 - 11:40

Presenter: Christopher Nahed, Commissariat à l'énergie atomique, France

Authors: Christopher Nahed, Stéphane Gounand and Marc Medale

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SESSION

CFD II

NOVEMBER 17 | 10:55 AM - 12:00 PM | SESSION CHAIR: DR. WAEL H. AHMED, UNIVERSITY OF GUELPH, CANADA

Titles: Numerical Analysis for Cavitation flow of the Depressurization Orifice of an Auxillary Feedwater Pump

FFHMT 201

Time: 11:40 - 11:45

Presenter: June-Ho Bae, Korea Institute of Nuclear Safety Korea, Republic of

Authors: June-Ho Bae, Gong-Hee Lee

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Titles: Acoustic-driven Oscillations of a Bubble in a Narrow Gap

FFHMT 213

Time: 11:45 - 12:00

Presenter: Jacqueline Mifsud, University of Warwick, United Kingdom

Authors: Jacqueline Mifsud, University of Warwick, United Kingdom

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SESSION

SUSTAINABLE ENERGY

NOVEMBER 17 | 12:00 PM - 12:45 PM | SESSION CHAIR: DR. SAEED TIARI, GANNON UNIVERSITY, USA

Titles: Vibration Energy Harvesting Dampers for Massive Large-Scale Objects

EHST 107

Time: 12:00 - 12:15

Presenter: George Nerubenko, NER*MAR Limited, Canada

Authors: George Nerubenko, David Flowers, Ivan Biliuk

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Titles: Simulation of Phase Change Material Melting Process in Presence of Nanofluid as an Auxiliary Fluid

EHST 111

Time: 12:15 - 12:30

Presenter: Arash Mousemi, Sharif University of Technology, Iran

Authors: Alireza Khademi, Arash Mousemi, Ali Parcheforosh, Mohammad Behshad Shafii, Giancarlo Sorrentino

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Titles: Ecological Potential of Osmotic Power Generation by Pressure Retarded Osmosis in Ontario, Canada

EHST 114

Time: 12:30 - 12:45

Presenter: Bassel Abdelkader, University of Guelph, Canada

Authors: Bassel Abdelkader, Mostafa H. Sharqawy

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SESSION

ANALYTICAL SOLUTION OF CONSERVATION EQUATIONS

NOVEMBER 17 | 1:05 AM - 2:05 PM | SESSION CHAIR: DR. SAEED TIARI, GANNON UNIVERSITY, USA

Titles: Single-Phase Natural Circulation in a PWR during a Loss of Coolant Accident
FFHMT 204

Time: 1:05 - 1:20

Presenter: Mohammed W. Abdulrahman, Techno Point Building, Dubai Silicon Oas, United Arab Emirates

Authors: Mohammed W. Abdulrahman, Mikdam M. Saleh, Jonathan Anand

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Titles: A New Correlation for the Onset of Nucleate Boiling Heat Flux under an Impinging Planar Water Jet

FFHMT 174

Time: 1:20 - 1:35

Presenter: Abu Raihan Mohammad Siddique, University of Guelph, Canada

Authors: Mohammad Reza Mohaghegh, Abu Raihan Mohammad Siddique, Shohel Mahmud, Syeda Tasnim

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Titles: Natural Circulation in a Pressurized Water Reactor with a Combined Single and Two-Phase Mode

FFHMT 205

Time: 1:35 - 1:50

Presenter: Mohammed W. Abdulrahman, Techno Point Building, Dubai Silicon Oas United Arab Emirates

Authors: Mohammed W. Abdulrahman, Mikdam M. Saleh, Jonathan Anand

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Titles: Two-Phase Flow in the Natural Circulation of a Pressurized Water Reactor
FFHMT 206

Time: 1:50 - 2:05

Presenter: Mohammed W. Abdulrahman Techno Point Building, Dubai Silicon Oas, United Arab Emirates

Authors: Mohammad W. Abdulrahman, Mikdam M. Saleh

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SESSION

EXPERIMENTAL FLUID FLOW AND HEAT TRANSFER

NOVEMBER 17 | 2:05 AM - 3:20 PM | SESSION CHAIR: DR. SAHBA SADIR, INSTITUTE FOR MICRO PROCESS ENGINEERING (IMVT)_KIT, GERMANY

Titles: Experimental Study of the Ventilation Arrangement's Effect on Particle Concentration in a Surgery Room

FFHMT 151

Time: 2:05 - 2:20

Presenter: Arash Mousemi, Sharif University of Technology, Iran

Authors: Ali Parcheforosh, Arash Mousemi, Sorour A. Alotaibi, Alireza Khademi

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Titles: The Turbulent/Non-Turbulent Interface Characteristics in an Axisymmetric Jet

FFHMT 162

Time: 2:20 - 2:35

Presenter: Khashayar F. Kohan, McGill University, Canada

Authors: Khashayar F. Kohan, Susan Gaskin

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Titles: Effect of Ambient Turbulence on the Structure and Interface of an Axisymmetric Jet

FFHMT 184

Time: 2:35 - 2:50

Presenter: Rana Sahebjam, McGill University, Canada

Authors: Rana Sahebjam, Susan Gaskin

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SESSION

EXPERIMENTAL FLUID FLOW AND HEAT TRANSFER

NOVEMBER 17 | 2:05 AM - 3:25 PM | SESSION CHAIR: DR. SAHBA SADIR, INSTITUTE FOR MICRO PROCESS ENGINEERING (IMVT)_KIT, GERMANY

Titles: Experimental Investigation of Flat Fan Spray with Solid Impurities

FFHMT 210

Time: 2:50 - 3:05

Presenter: Zhaobo Li, Chongqing Nanaki Secondary School, China

Authors: Zhaobo Li, Cheng Li

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Titles: Temporal Flow Evolution On A Pediatric Ventricular Assist Device

FFHMT 128

Time: 3:05 - 3:20

Presenter: Vítor A. Andreghetto Bortolin, University of São Paulo, Brazil

Authors: Vítor Augusto Andreghetto Bortolin, Bernardo Luiz Harry Diniz Lemos, Rodrigo de Lima Amaral, Simão Bacht, Marcelo Mazzeto, Idágene Aparecida Cestari, Júlio Romano Maneghini

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Titles: Application of Deep Learning Convolutional Neural Network for Spray Characterization

FFHMT 190

Time: 3:20 - 3:25

Presenter: Farzaam Khorasani-Gerdehkouhi, University of Toronto, Canada

Authors: Amin Heyrani Nobari, Farzaam Khorasani-Gerdehkouhi, Naib Gulam, Nasser Ashgriz

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