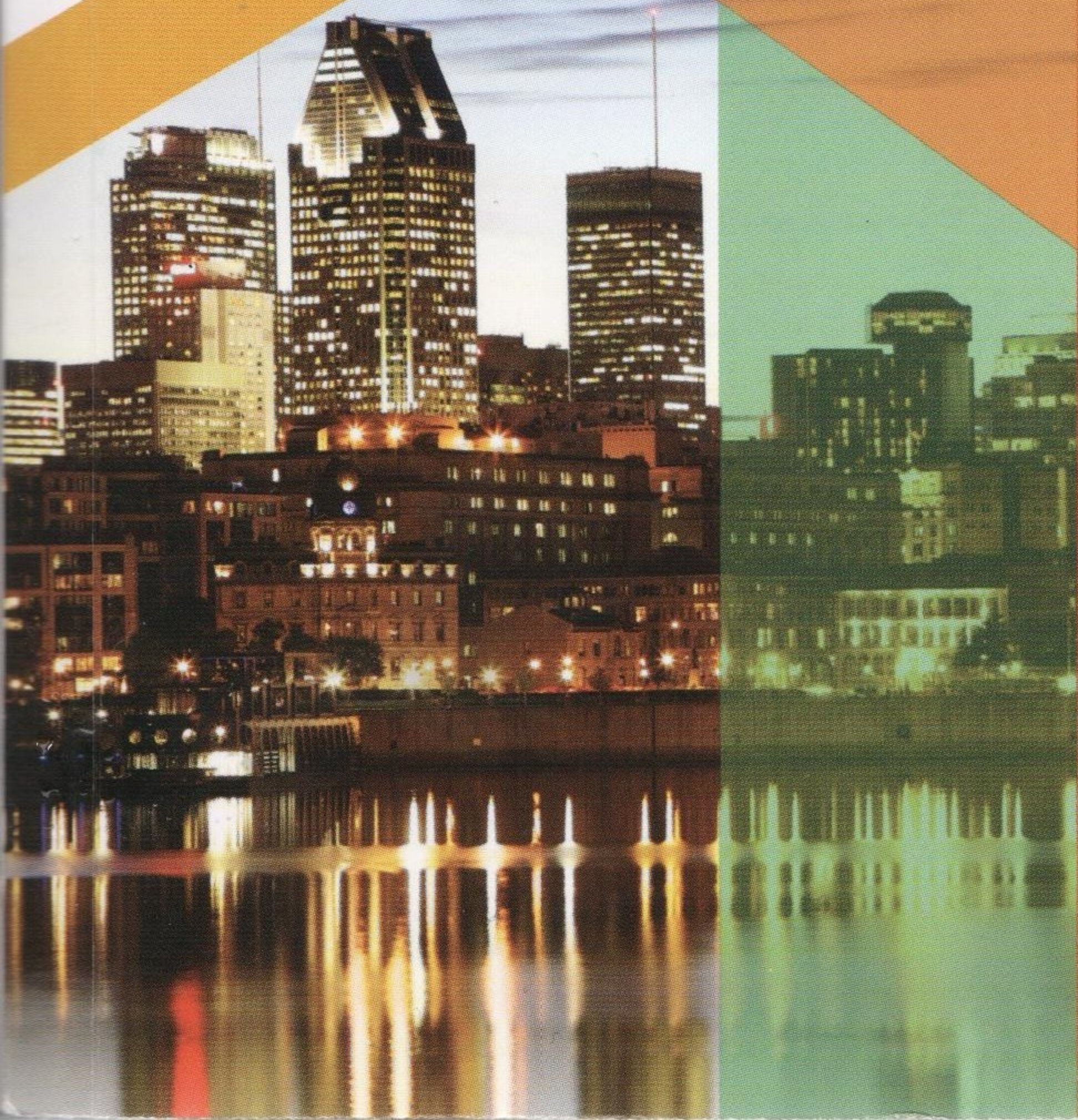


2014

INTERNATIONAL
MECHANICAL
ENGINEERING
CONGRESS
& EXPOSITION

November 14–20 2014
Montreal, Canada

Program



17-7 Fluids Engineering Systems and Technologies

17-7-1

11:30am–2:30pm

Simulation of Pressure Wave Propagation in the Two-Phase Flow

Poster Presentation. IMECE2014-36134

Moon-sun Chung, Korea Institute of Energy Research, Daejeon, Korea (Republic), **Youn-Gyu Jung**, **Sung Jae Yi**, Korea Atomic Energy Research Institute, Daejeon, Korea (Republic)

Fiber Supplemented Droplet Diving Into Two Liquid Layers

Poster Paper Publication. IMECE2014-37277

Alyssa Harris, **Tsung-chow Su**, Florida Atlantic University, Boca Raton, FL, United States

LBM Simulation of Electro-Osmotic Flow (EOF) in Nano-/Microscales Porous Media With an Inclusive Parameters Study

Poster Paper Publication. IMECE2014-37831

Ramin Zakeri, **Eon Soo Lee**, New Jersey Institute of Technology, Newark, NJ, United States, **Mohammad Reza Salimi**, Sharif University of Technology, Tehran, Iran

Similar Regions in Electroosmotic Flow Rate for Newtonian and non-Newtonian Fluids Using Dissipative Particle Dynamics (DPD)

Poster Paper Publication. IMECE2014-37836

Ramin Zakeri, **Eon Soo Lee**, New Jersey Institute of Technology, Newark, NJ, United States

Simulation of Polymer Chain Sensor in Electroosmotic Flow Using Dissipative Particle Dynamics (DPD) Method

Poster Paper Publication. IMECE2014-37840

Ramin Zakeri, **Eon Soo Lee**, New Jersey Institute of Technology, Newark, NJ, United States

Testing The Method ASMTurb on the Example of the Pulsation Structure of Turbulent Flows

Poster Paper Publication. IMECE2014-38022

Yuriy Nuzhnov, Al-Farabi Kazakh National University, Almaty, Kazakhstan

Aerodynamic Analysis of Tilted Rotor Wind Turbine

Technical Presentation. IMECE2014-40716

Sandip Kale, Trinity College of Engineering and Research, Pune, Pune, India, **S.N. Sapali**, College of Engineering, Pune, Pune, India

17-8 Heat Transfer and Thermal Engineering

17-8-1

210 11:30am–2:30pm

Design of a Device for Experimental Validation of Dynamic System Behavior in Natural Convection

Poster Presentation. IMECE2014-40666

Justin Roberts, **Kyle Zada**, University of Portland, Portland, OR, United States, **Heather Dillon**, University of Portland, Kelso, WA, United States

Experimental, Numerical, and Analytical Investigation of Thermal Resistance in High Brightness LED Arrays

Technical Presentation. IMECE2014-40649

Mahmood R.S. Shirazy, **Andréane D'Arcy-Lepage**, Sherbrooke University, Sherbrooke, QC, Canada, **Michel Gilbert**, LEDTECH Canada, Sherbrooke, QC, Canada, **Samuel Richard**, LEDTECH, Sherbrooke, QC, Canada, **Luc Frechette**, University de Sherbrooke, Sherbrooke, QC, Canada

Thermal Transport in Two-Dimensional Boron Nitride-Graphene Superlattices

Poster Presentation. IMECE2014-40676

Carlos da Silva, **Julia Sborz**, **David A. Romero**, **Cristina Amon**, University of Toronto, Toronto, ON, Canada

Thermal Study and Redesign of Storage Integratrated Solar Modules

Poster Presentation. IMECE2014-40669

Balagovind N.K. Kartha, **Sidhu Suresh**, **Akilesh Narayanan**, **Vinayak Jayaprakash**, **Vinod Kumar Gopal**, **Amrita Vishwa Vidyapeetham**, Amritapuri Campus, Kollam, Kerala, India

Experimental Investigation of Viscosity and Thermal Conductivity of PDMS Based Nanofluid

Poster Presentation. IMECE2014-40711

Oswaldo Sanchez, **Rahul Singh**, **Ganesh Balasubramanian**, Iowa State University, Ames, IA, United States

Thermal Transport in Two-Dimensional Boron Nitride-Graphene Superlattices

Poster Presentation. IMECE2014-40675

Carlos da Silva, **Julia Sborz**, **David A. Romero**, **Cristina Amon**, University of Toronto, Toronto, ON, Canada