WSEAS Transactions on Heat and Mass Transfer

Contents: 2011 Print ISSN: 1790-5044 E-ISSN: 2224-3461

Acceptance Rate (for the years 2013 and 2014): 32.42%

Acceptance Rate = C/D where: C = the number of accepted papers, D= the number of submitted papers. Withdrawn Papers are not considered for the numbers C and D.

Editorial Board:

Editor-in-Chief

Professor Myriam Lazard Institut Superieur d'Ingenierie de la Conception 27 rue d'Hellieule, 88100 Saint Die FRANCE

Associate Editors:

Prof. E. L. Cussler, Dept. of Chemical Engineering & Materials Science, University of Minnesota, Minneapolis, MN 55455, USA Prof. D. R. Paul, Department of Chemical Engineering and Texas Materials Institute, The University of Texas at Austin, Austin, TX 78712, USA Prof. Andris Buikis, Institute of Mathematics and Computer Science, Riga, LATVIA Prof. Shabaan Abdallah, University of Cincinnati, Ohio, USA Prof. Oleg V. Vasilyev, University of Colorado, CO, USA Prof. Tatsuo Inoue, Kyoto University, Kyoto, JAPAN Prof. Chang Kyun Choi, Seoul National University, KOREA Prof. Tamas Reti, Transportation and Mechanical Engineering Institute, Budapest, HUNGARY Prof. George E. Totten, Portland State University, Portland, OR, USA Prof. Andrei G. Fedorov, Georgia Institute of Technology, Atlanta, Georgia, USA Prof. Fotis Sotiropoulos, Georgia Institute of Technology, Atlanta, Georgia, USA Prof. A. C. Benim, Duesseldorf University of Applied Sciences, Germany Prof.Joseph T. C. Liu, Brown University, Providence RI, USA Prof. Kai H. Luo, School of Engineering Sciences, University of Southampton, UK Prof. Siavash Sohrab, Northwestern University, Illinois, USA Prof. David Katoshevski, Ben-Gurion University of the Negev, ISRAEL

Topics

Heat and mass transfer Simulation, Modeling and Experimental Research in heat and mass transfer Refrigeration Air-Conditioning Simulation, Modeling and Experimental Research in Refrigeration and Air-Conditioning Transport Phenomena Mathematical Physics problems Diffusion convection Conduction problems Internal Combustion Engines Combustion Steam Generators Thermal Installations Steam-turbines Steam-generators Natural and forced convection Phase change Metal casting Welding, forging and other processes Heat exchangers Bio-heat transfer problems Heat Engineering and Electroscience Micro and Nano Scale Heat Transfer Turbulent heat transfer Heat storage Electronic cooling Air pollution modeling Urban air pollution Transport emissions Global and regional studies Climatology Indoor pollution Pollution engineering Aerosols and particles Emission of Pollutants from Thermal Engines Biogenics, agriculture and landfill emissions Environmental protection Management of heating resources Geoscience Solar Energy Thermal Applications of Solar Energy Renewable energy Industrial applications Energy applications Natural resources Surface/Groundwater resources Soil and rock properties Mineral resources Geological chemistry Atmospheric chemistry Health effects Remote sensing Waste Management Solid Waste Processing Waste pre-treatment Waste Storage Waste Compaction Recycling Bio-Recycling Waste Logistics Water protection Clean Technologies Thermal Pollution in Ecosystems Coastal erosion and sedimentation Sea protection Sea Science Coastal protection Harbours and marinas protection Risk analysis Food contamination Chemical risk assessment Alternative Fuels Social and economic issues

Articles:

<u>Material and Heat Transfer Rate in the Gas-Lquid System</u> Authors: Tatjana Mosorinac, Maja Ivanovic-Knezevic, Srdjan Pejanovic, Mihailo Perunicic, Nevenka Boskovic-Vragolovic

<u>The Study of Corrosion in Oil and Gas Transfer Pipeline and its Removal by Nano-Composite Coating</u> Authors: E. Noveiri, E. M. Goodarzi

Numerical Simulation of Forest Fires Based on 2D Model Authors: A. A. Kuleshov, E. E. Myshetskaya

<u>Approximations of Quantum Corrected Energy-Transport Model with Non-parabolic Energy Relaxation Time</u> Authors: Ren-Chuen Chen, Jinn-Liang Liu

<u>Temperature Evolution in a WC-6%Co Cutting Tool During Turning Machining: Experiment And Finite</u> <u>Element Simulations</u> Authors: T. Kagnaya, M. Lazard, L. Lambert, C. Boher, T. Cutard

<u>Choosing Suitable Shielding Gas for Thermal Optimization of GTAW Process</u> Authors: A. Moarrefzadeh <u>Study of Non-Stationary Heat Conduction in a Plane Plate for Symmetric and Asymmetric Problem</u> Authors: Hana Charvatova, Dagmar Janacova, Karel Kolomaznik

Experimental Identification of Arrhenius Equation Parameters for Control Purposes Authors: Lubomir Macku

<u>A Study of Entropy Generation Minimization in an Inclined Channel</u> Authors: Dalia Sabina Cimpean, Ioan Pop

<u>Utilization of Mathematica Environment for Designing the Forecast Model of Heat Demand</u> Authors: Bronislav Chramcov

<u>Study of Non-Stationary Heat Conduction in a Plane Plate for Symmetric and Asymmetric Problem</u> Authors: Hana Charvatova, Dagmar Janacova, Karel Kolomaznik

<u>Simulation of Adaptive Control Applied on Tubular Chemical Reactor</u> Authors: Jiri Vojtesek, Petr Dostal