Monday - 18/08/2008

07:30 - 08:00	Registration	
08:00 - 08:10	Opening Session **Gabriel da Silva Cardoso** - PETROBRAS	
08:10 - 08:40	KEYNOTE **Dr. Waldir Martignoni** - PETROBRAS *CFD Applied to Petrobras Refining Process Development and Optimization - Present, Future and Challenges*	
08:40 - 09:20	KEYNOTE **Dr. Raghu Menon** - Shell Global Solutions (US) Inc. *Multiphysics Simulations - Applications in Oil & Gas*	
09:20 - 09:50	Coffee Break	
09:50 - 10:30	KEYNOTE **Dr. Thomas Höhne** - FZD - Forschungszentrum Dresden-Rossendorf *Multiphase Flows in Industrial Applications - Experiments and CFD Simulations*	
10:30 - 11:10	KEYNOTE **Prof. Dr. Luis Fernando Azevedo** - PUC-Rio *Fluid Flow Measurements and Code Validation*	
11:10 - 11:50	KEYNOTE **Dr. Ahmad Haidari** - ANSYS, Inc. *Toward Engineering Simulation in the Petrochemical Industry: From Discovery to End-Use*	
11:50 - 12:10	SPONSOR **Dr. Srinivas Kodiyalam** - SGI *Optimized HPC Infrastructure for CFD and Associated Multidiscipline Simulations of Engineering Systems*	
12:10 - 13:30	Lunch	
	ROOM 1	**ROOM 2**
13:30 - 13:45	**Dirceu Noriler** - FURB *Experimental and Numerical Analysis of Gas-Liquid Flow on Distillation Trays*	**Ricardo Serfaty** - PETROBRAS *Experimental and Computational Modeling of Gas Liquid Annular Flow in Horizontal Tubes*
13:45 - 14:00	**Karolline Ropelato** - ESSS *Characteristic Time Scales for an Eulerian-Lagrangian Multiphase Flow Model in Vacuum Towers*	**Jonathan Lemay** - PUC-Rio *Comparisons of Turbulence Models in a Non-Premixed Combustion Situation*
14:00 - 14:15	**Marcela Kotsuka da Silva** - UNICAMP *Three-Dimensional Simulation of Bubbly Flow: Influence of Breakup and Coalescence Models*	**Millena Villar** - UFU *Numerical Evaluation of Bubble Drag and Lift Forces*
14:15 - 14:30	**Joel Gustavo Teleken** - UFSC *Fluid Dymamic Model for Flow in a Sieve Tray*	**Elie Luis Martinez Padilla** - UFU *Mathematical Modeling and Numerical Simulation of Fluid-Structure Interaction and Two-phase Flows Using the Immersed Boundary Method*
14:30 - 14:45	**Paulo Edson Ballejos** - PETROBRAS *Bad Flux Distribution at the Suction of a Double Suction Pump*	**João Felipe Mitre** - UFRJ *Design of a Cell for Drop Breakage Studies*
14:45 - 15:00	**Lucilla Almeida** - ESSS *Gravitational Separation Tanks: plate device influence analysis*	**Luiz Fernando Lopes Rodrigues Silva** - UFRJ *Development of a Simulation Methodology for Multiphase Polidisperse Flows Applied to Water-Oil Emulsion*
15:00 - 15:15	**Open for Discussion**	**Open for Discussion**
15:15 - 15:30	Coffee Break	
15:30 - 15:45	**Gelmirez M. Raposo** - PETROBRAS *High Oil Content Hydrocyclone Numerical Flow Simulation*	**Álder da C. D´Ambrós** - UTFPR *Numerical Simulation of Viscoelastic Laminar PTT Flow into a Concentric Annular Tube – Deborah Number Influence*
15:45 - 16:00	**Cidronia Buriti** - UFCG *Numerical Evaluation of the Separation Process of Water/Heavy and Ultraviscous Oils in Hydrocyclone*	**Bruno V. Loureiro** - UCL *Designing Gravel Pack Placement in Screens for Selective Completions*
16:00 - 16:15	**Rodrigo de Souza Silva** - PETROBRAS *Sloshing Analysis of a Cargo Tank of a FPSO*	**Gabriel Merhy de Oliveira** - UTFPR *Modelling the Start-up of Drilling Fluid Flows*
16:15 - 16:30	**Daniel Bruno** - ESSS *Qualitative Evaluation of an Offshore Degasser Vessel Applied to Production Water Treatment*	**Gabriel Cassemiro Mariano** - UFSC *A CFD Approach to the Displacement of Oil by Injection of Water in a Hele-Shaw Cello*
16:30 - 16:45	**Juliana Vianna Valerio** - PUC-Rio *Asymptotic Model of the Three-Dimensional Flow in a Progressive Cavity Pump*	**John Faber Archila Diaz** - UFRJ *Numeric Simulation of a PIG Move Inside Service Pipes*
16:45 - 17:00	**Newton Moura** - PETROBRAS *Simulation of a Centrifugal Compressor Impeller*	**Open for Discussion**
17:00 - 17:15	**Open for Discussion**	

Tuesday - 19/08/2008

08:00 - 08:40	KEYNOTE	**Luiz Augusto Petrus Levy** - PETROBRAS *CFD Applications on Petrobras Research Center Projects*
08:40 - 09:20	KEYNOTE	**Prof. Dr. Michael Z. Podowski** - Rensselaer Politechnic Institute *An Overview of Recent Advancements in Computational Multiphase Fluid Dynamics*
09:20 - 09:50		Coffee Break
09:50 - 10:30	KEYNOTE	**Prof. Dr. Rodney O. Fox** - Iowa State University *Advanced Reactive Multiphase Flows*
10:30 - 11:10	KEYNOTE	**Dr. Juan P. Pontaza** - Shell Global Solutions (US) Inc. *Simulation of Flow-Induced Vibrations in Offshore Structures and Process Pipelines*
11:10 - 11:50	KEYNOTE	**Prof. Dr. Clovis R. Maliska** - Federal University of Santa Catarina *Interface Forces Calculation for Multiphase Flow Simulation*
11:50 - 12:10	SPONSOR	**Vinícius Rossato** - Hewlett-Packard *HPC Towards Engineering Simulation at HP*
12:10 - 13:30		Lunch

	ROOM 1	ROOM 2
13:30 - 13:45	**Maximilian J. Hodapp** - UNICAMP *Three-Dimensional Gas-Solid Fluidized Bed Simulation Based on Kinetic Theory of Granular Flow*	**Daniel Fonseca de Carvalho e Silva** - PETROBRAS *Orifice Constraints Analysis in Water Injection Pipes Using CFD*
13:45 - 14:00	**Fábio Liporace** - PETROBRAS *FCC Riser Thermocouple Well Erosion Study using CFD*	**Luís Américo Calçada** - UFRRJ *CFD Modelling to Calculate the Friction Loss in Drilling Fluid Flows in Tool Joints*
14:00 - 14:15	**Marintho Bastos Quadri** - UFSC *CFD Modeling of Lapple Cyclone for Gas-Solid Separation*	**José Luiz Vieira Neto** - UFU *CFD Analysis of Newtonian Turbulent Flows in Annular Spaces*
14:15 - 14:30	**Jeã Carlos Santos Moreira** - PETROBRAS *Modelling and Simulation of an Oxychlorination Reactor in a Fluidized Bed*	**Umberto Sansoni Jr** - PETROBRAS *Near Wellbore Flow Modeling*
14:30 - 14:45	**Daniel Ribeiro** - ESSS *FCC Stripper Cold Flow CFD Modeling using an Eulerian-Granular Approach*	**Rosangela D. Sviercoski** - Los Alamos National Laboratory *New Results on Upscaling Block Permeability for Two-Phase Flows through Generalized Composites, by Analytical Means*
14:45 - 15:00	**Nicolas Spogis** - ESSS *Fluid-Particle Simulations using Fluent & EDEM*	**Yalchin Efendiev** - Texas A&M University *Multiscale Simulation Techniques for Flows in Highly Heterogeneous Porous Media*
15:00 - 15:15	**Open for Discussion**	**Open for Discussion**
15:15 - 15:30	Coffee Break	
15:30 - 15:45	**Paulo Alexandre de M. Cabral** - CTEX *Utilization of a CFD-Based Approach for Risk Assessment Calculations of Natural Gas Releases in Ducts*	**André França de Almeida** - Chemtech *SCOT Heater Analysis using CFD*
15:45 - 16:00	**Norman A. M. Neumann** - BV *Computational Modeling of Jet Fires*	**Daniel Fonseca de Carvalho e Silva** - PETROBRAS *Modeling the Circulation of Micro-Algae in Tanks using CFD*
16:00 - 16:15	**Fábio Sousa do Fundo** - Chemtech *CFD Modeling of Fire Spread in an Offshore Platform*	**Ricardo Vicente de Paula Rezende** - UFSC *A Direct Numeric Simulation of a Gas Bubble and a Buoyancy-Driven Motion of a Viscous Drop in a Constricted Capillary Using a Eulerian Homogeneous Model*
16:15 - 16:30	**Caio Delgaudio / Giordhanne Gimenes** - Chemtech *Development of a Methodology for Toxic and Flammable Gases Sensors Positioning in Oil Platforms – Case Study*	**Marcio da Silveira Carvalho** - PUC-Rio *Flow of Emulsion Through Constricted Capillary Tubes*
16:30 - 16:45	**Open for Discussion**	**Rodrigo Ferraz** - ESSS *Multidisciplinary Optimization Applied to the Oil & Gas Industry*
16:45 - 17:00	Closing Session	**Open for Discussion**
17:00 - 17:15		Closing Session