

Thermodynamics 2015
Tivoli Congres Hotel
15-18. September 2015

Poster session

PP 19	Self-Assembly of Directionally Interacting Spheres and Rods Nathan A. Mahynski – Princeton University
PP 20	From stripe to slab confinement for DNA linearization in nanochannels Peter Cifra – Polymer Institute SAS
PP 21	Nitrogen + Oxygen Solubility in Liquids for Bulk or Solution Polymerization of Styrene Tomoya Tsuji – Nihon University
PP 22	Thermodynamic Equilibrium of Mixtures of Combustible Gases and Air Richard M Gibbons
PP 23	Characterization of electrical conductivity and rheological properties of ionic liquids Andrés Estrada-Alexanders – Universidad Autonoma Metropolitana
PP 24	Synthesis of TiO₂-ZnO nanopowders doped with Fe via sol-gel method and photochemical degradation on anionic surfactant Masoud Giahi, M. Meskinfam - Islamic Azad University
PP 25	Estimation of Pitzer interaction parameters from heat capacity and osmotic coefficient for the NaOH-H₂O system at temperatures from 0 to 150°C and concentrations up to NaOH(s) saturation Adeline Lach – BRGM/LaTEP

PP 26	Interfacial Mass Transfer in Liquid-Liquid Systems Tim Zeiner – TU Dortmund
PP 27	Surface thermodynamics of planar, cylindrical and spherical vapour-liquid interfaces of water Gabriel Lau – Imperial College London
PP 28	Formation of structures made of ionic liquids in diluted aqueous solutions Pedro Díaz-Leyva – Universidad Autonoma Metropolitana
PP 29	Computer simulations of an anionic chromonic dye: spontaneous symmetry breaking to form chiral aggregates and the formation of a novel smectic phase Romnik Thind – Durham University
PP 30	DPD simulations to predict the phase behaviour of nonionic chromonics Martin Walker – Durham University
PP 31	Using DPD simulation to study the phase behaviour of complex polymer-surfactant mixtures Sarah Gray – Durham University
PP 32	Combustion calorimetry of hydrocortisone acetate and analysis of the thermodynamic functions of steroids Anastacia Shipilova – Lobachevsky State University of Nizhni Novgorod
PP 33	Study of the properties of some oxygen-containing compounds of thorium Marina Manyakina – Lobachevsky State University of Nizhni Novgorod
PP 34	Simultaneous description of phase equilibria and derivative properties for testing the accuracy of the soft-SAFT parameterization André Palma – Univerity of Aveiro
PP 35	soft-SAFT EoS for the vapor-liquid equilibria and water activities of aqueous ionic liquids André Palma – Univerity of Aveiro

PP 36	<p>Semiclassical DFT-SAFT approach to model confined quantum fluids</p> <p>Susana Figueroa-Gerstenmaier – Universidad de Guanajuato</p>
PP 37	<p>Coexistence of polymer-colloid mixtures under slit confinement</p> <p>Susana Figueroa-Gerstenmaier – Universidad de Guanajuato</p>
PP 38	<p>Interaction studies of methyl acetate in aqueous solutions of quinoxaline derivatives: effect of temperature and concentration</p> <p>Gnanapragasam Raphael – North-West University</p>
PP 39	<p>Screening of environmental friendly ionic liquid as a solvent for the different types of separations problem: insight from activity coefficients at infinite dilution measurement using gas-liquid chromatography technique</p> <p>Indra Bahadur – North-West University</p>
PP 40	<p>Thermodynamic study of aqueous mixtures of 3-Butoxypropan-1-amine</p> <p>Ângela F. S. Santos – Faculdade de Ciências da Universidade de Lisboa</p>
PP 41	<p>Thermodynamic study on CO₂ separation with a novel ionic liquid</p> <p>Yujiao Xie – Lulea Univeristy of Technology</p>
PP 42	<p>Tetrahedra volume distributions in Lennard-Jones fluids</p> <p>Miguel Robles – Universidad Nacional Autónoma de México</p>
PP 43	<p>Equation of state and phase diagram of double Yukawa fluids</p> <p>Miguel Robles – Universidad Nacional Autónoma de México</p>
PP 44	<p>Surface Tension and Dielectric Permittivity of Water at the Graphitic Interfaces</p> <p>Aziz Ghoufi – Université de Rennes</p>
PP 45	<p>Experimental and quantum chemical studies of the inhibition of copper with Sodium Dodecyl Sulphate (SDS) in acid medium</p>

	Mojisola Nkiko – Elizade University
PP 46	Liquid – Liquid Phase Behavior of Solutions of 1,3-diethylimidazolium bis(trifluoromethylsulfonyl)imide in n-Alkyl Alcohols Marisa A. A. Rocha – Universität Bremen
PP 47	Understanding the Self-Assembly and Phase Behavior of Skin Lipids Clare McCabe – Vanderbilt University
PP 48	ppT behaviour of three branched ethers: experimental results and SAFT modeling Carlos Lafuente – Universidad de Zaragoza
PP 49	Molecular Simulation Study of the CO₂-N₂O Analogy Maximilian Kohns – University of Kaiserslautern
PP 50	Liquid-liquid equilibrium of mixtures containing microalgae oil, its ethylic biodiesel, ethanol and glycerol at 298.15 K, 313.15 K and 328.15 K Fabio R. M. Batista – University of Campinas
PP 51	Evaluation of the solubility of Paraffins in Circular Pipes by Simulation Camila Pereira – UFRN
PP 52	Vapor-liquid equilibria for pseudo-binary systems containing refined vegetable oil (cottonseed and soybean oils) and solvent (n-hexane and ethanol) at low pressures Camila Pereira – UFRN
PP 53	The density of hexafluoropropylene (HFP) at temperatures between (283 and 473) K and pressures up to 70 MPa Chih-Wei Lin – University of Edinburgh

PP 54	<p>Prediction of thermodynamics properties of ionic liquids using perturbed hard-trimer chain equation of state</p> <p>Mohammad Alavianmehr – Shiraz University of Technology</p>
PP 55	<p>Vapor liquid equilibrium measurements and modeling of 1-propanethiol + 1-butanethiol + CH₄ ternary system at 303, 335 and 368 K with a pressure variation from 1 to 9 MPa.</p> <p>Javeed A. Awan – University of the Punjab</p>
PP 56	<p>Development of SAFT for Nuclear Waste Management</p> <p>Alex Brown – National Nuclear Laboratory</p>
PP 57	<p>Fused coarse-grained model of aromatic ionic liquids and their behavior in pore electrodes</p> <p>Bin Li - Lund University</p>