

## TUESDAY EVENING

Section B

Javits Convention Center

### Industrial and Engineering Chemistry Posters

#### Ionic Liquids: Progress and Prospects

R. D. Rogers, *Organizer, Presiding*

**5:00 - 7:00**

- 127.** 1-Alkyl-3-methyl-imidazole hexafluorophosphate water immiscible ionic liquids as reservoirs for controlled release of drugs. **V. Jaitely**, A. T. Florence
- 128.** Development of Ionic Liquids containing environmentally acceptable and sustainable components. **J. D. Holbrey**, W. M. Reichert, M. B. Turner, K. Green, R. D. Rogers
- 129.** X-Ray crystallography of novel ionic liquids based on N-alkylmorpholinium salts. **R. P. Swatloski**, R. D. Rogers, C. R. Lea, I. A. Miller, D. M. Brown
- 130.** Synthesis, characterization, and applications of new hydroxyl-appended ionic liquids. J. D. Holbrey, **M. B. Turner**, W. M. Reichert, R. D. Rogers
- 131.** Formation of aqueous biphasic systems with hydrophilic ionic liquids via the addition of water-structuring salts: applications to nuclear tank wastes. **K. E. Gutowski**, G. A. Broker, N. J. Bridges, J. G. Huddleston, H. D. Willauer, J. D. Holbrey, R. D. Rogers
- 132.** Relationships between solid-state ion-ion and hydrogen-bonding interactions and liquid properties in ionic liquid forming salts. **W. M. Reichert**, J. D. Holbrey, R. D. Rogers
- 133.** New applications of ionic liquids: Task-specific ionic liquids (TSIL) as alternatives to functionalized resins as scavengers for solution phase synthesis. **J. H. Davis Jr.**, P. A. Fox, M. Tickell
- 134.** New applications of ionic liquids: Preparation of functionalized resins by ion exchange with task-specific ionic liquids. J. H. Davis Jr., **P. A. Fox**, M. Tickell
- 135.** Thioether, sulfoxide and sulfone-incorporating task-specific ionic liquids. J. H. Davis Jr., **M. Tickell**, P. A. Fox
- 136.** Densities of ionic liquids as a function of temperature. **D. G. Hert**, S. N. V. K. Aki, J. F. Brennecke
- 137.** Solvent strength of the ionic liquids/carbon dioxide mixtures. C. P. Fredlake, **S. N. V. K. Aki**, T. Welton, J. F. Brennecke
- 138.** Enthalpy change determination of BMIC using DTA. **M. Zhang**, V. Kamavaram, R. G. Reddy
- 139.** Catalysis in environmentally friendly solvents. **S. K. Kandola**, D. L. Davies

- 140.** Zwitterionic-liquid-in-polymer electrolytes. **M. Yoshizawa**, M. Tamada, H. Ohno
- 141.** Catalytic indium-mediated allylation reactions in ionic liquids. **C. M. Gordon**, **C. Ritchie**
- 142.** Density functional theory study of the influences of N-1-butylpyridinium and chloroaluminate ratios upon the rates and endo/exo selectivity of the Diels-Alder reaction. **A. M. Waligorski**, O. Acevedo, J. D. Evanseck
- 143.** Electrochemical synthesis in ionic liquids. M. A. Matthews, J. W. Weidner, **I. M. AlNashef**
- 144.** Ionic liquids with alkoxymethyl substituent - synthesis and properties. **J. Pernak**, J. Stopa, A. M. Pernak
- 145.** Liquid ionic phosphates (LIPs) and polyammonium ionic liquid sulfonamides (PILS) - diffusion coefficient and pulse radiolysis characteristics. **S. I. Lall-Ramnarine**, P. Tavares, A. Scumpia, R. Ragbir, R. Ramkirath, S. Gustave, S. G. Greenbaum, J. F. Wishart, R. Engel
- 146.** Liquid ionic phosphates (LIPs) and polyammonium ionic liquid sulfonamides (PILS) - electrochemical and conductivity properties. **P. Tavares**, R. Ragbir, S. I. Lall-Ramnarine, A. Scumpia, R. Ramkirath, R. Engel
- 147.** Liquid ionic phosphates (LIPs) and polyammonium ionic liquid sulfonamides (PILS) - Synthesis, solubility and spectral characteristics. **A. Scumpia**, R. Ramkirath, P. Tavares, R. Ragbir, S. I. Lall-Ramnarine, R. Engel
- 148.** Imidazolium-based zinc complexes for the coupling reactions of CO<sub>2</sub> and epoxides. **H. S. Kim**, J. J. Kim, B. G. Lee, H. Kim