

## WEDNESDAY AFTERNOON

Section A

Javits Convention Center

### **Ionic Liquids: Progress and Prospects (sponsored by Green Chemistry & Engineering and Separation Science & Technology Subdivisions)**

#### **Electrochemistry**

*Cosponsored with ENVR, and PETR*

D. R. MacFarlane, *Presiding*

R. D. Rogers, K. R. Seddon, and D. R. MacFarlane, *Organizers*

**1:30** — Introductory Remarks.

**1:35** —**163.** Photovoltaic applications of ionic liquids. **S. M. Zakeeruddin**

**1:55** —**164.** Issues affecting the use of ionic liquids in lithium-ion batteries. **A. S. Best**, H. Landheer, F. G. B. Ooms, P. C. Howlett, D. R. MacFarlane, J. Schoonman

**2:15** —**165.** Ionic liquids: Solvents for electrochemical nanotechnology. **F. Endres**

**2:35** —**166.** High lithium metal cycling efficiency in a room temperature ionic liquid. **P. C. Howlett**, D. R. MacFarlane, A. F. Hollenkamp, M. Forsyth

**2:55** —**167.** Bronsted acid-base ionic liquids as fuel cell electrolytes under non-humidifying conditions. **M. Watanabe**

**3:15** — Intermission.

**3:30** —**168.** Performance-enhancing electrolytes: The impact of ionic liquids on artificial muscle development. **G. G. Wallace**

**3:50** —**169.** Electrochemical polymerisation of polypyrrole in ionic liquids. **J. M. Pringle**, J. Efthimiadis, P. Howlett, G. G. Wallace, J. Efthimiadis, D. R. MacFarlane, M. Forsyth

**4:10** —**170.** Property of ionic liquids and additions for deposition: Performance pertaining to their viability. **P. Meakin**, J. Zhang, A. Bond, I. Bugar

**4:30** —**171.** Electrochemical synthesis in 1-butyl-2, 3-dimethylimidazolium hexafluorophosphate. **M. A. Matthews**, J. W. Weidner, I. M. AlNashef

**4:50** —**172.** Redox chemistry of polyoxometalates in ionic liquids. M. Chiang, J. A. Dzielawa, M. L. Dietz, **M. R. Antonio**