

# Post Conference on Carbon '08, Kyoto

July 19, 2008, Heian Kaikan

8:50~9:00

## Opening remarks

Masayuki Kawaguchi

*Osaka Electro-Communication University*

## Session I (9:00~10:20)

Chair person : Takeshi Abe ( Kyoto University)

9:00~9:40

### Preparation of activated carbons and their use as supercapacitors

Diego Cazorla-Amoros

*University of Alicante, Spain*

9:40~10:00

### Superior storage performance of hydrothermal carbon/silicon nanocomposites as anode material for lithium-ion batteries

Rezan Demir Cakan

*Max-Planck-Institute of Colloids and Interfaces, Germany*

10:00~10:20

### Surface structure change and electrochemical properties of fluorinated petroleum cokes

Tsuyoshi Nakajima,

*Aichi Institute of Technology*

~ Coffee Break ~

## Session II (10:50~12:10)

Chair person : Jun Maruyama (Osaka Municipal Technical Research Institute)

10:50~11:30

### Intercalation of large fluoroanions between graphene sheets

Michael M. Lerner

*Oregon State University, USA*

11:30~11:50

### New fluorinated carbons for energy storage

Marc Dubois

*UMR-CNRS, France*

11:50~12:10

### Novel electrode for the fluorine gas generator

Tetsuro Tojo, Yoshio Shodai, Takanori Kawano, Masashi Kodama, Hitoshi Takebayashi, and Rie Tao

*Toyo Tanso Co.Ltd, Japan*

### Session III (13:30~15:10)

Chair person : Masayuki Kawaguchi (Osaka Electro-Communication University)

13:30~14:10

#### Synthesis, structure and superconducting properties of $\text{CaC}_6$ compound

Claire Hérold

*Henri Poincaré Nancy I University, France*

14:10~14:30

#### Preparation of Ca-intercalation compounds by using various carbon materials as a host material

Masahiro Toyoda,

*Oita University, Japan*

14:30~14:50

#### Electrochemical intercalation of lithium-ion, magnesium-ion, or calcium-ion into graphite electrode

Takeshi Abe, Kazuki Miyatake, Saya Takeuchi, Zempachi Ogumi

*Kyoto University, Japan*

14:50~15:10

#### Theoretical Study for the Mechanism of Ethylene Oligomerization in interlayer of AM-GIC

Masato Oshima

*Tokyo Polytechnic University, Japan*

~ Coffee Break ~

### Session IV (15:40~17:00)

Chair person : Yoshiaki Matsuo (University of Hyogo)

15:40~16:20

#### Exploring the relationship between carbon surface chemistry and charge storage capacity

Ljubisa R. Radovic

*The Pennsylvania State University, USA*

16:20~16:40

#### Formation of cathodic oxygen reduction catalyst with $\text{Fe-N}_x$ active site using purine and pyrimidine bases

Jun Maruyama,<sup>a</sup> Nobutaka Fukui,<sup>b</sup> Masayuki Kawaguchi,<sup>b</sup> Ikuo Abe<sup>a</sup>

<sup>a</sup>*Osaka Municipal Technical Research Institute, Japan*

<sup>b</sup>*Osaka Electro-Communication University, Japan*

16:40~17:00

#### Porous graphite oxide containing Pt nanoparticles

Kazuma Gotoh

*Okayama University, Japan*

17:30~ Reception