

電気化学

平成 25 年 9 月 29 日 (日) ~ 30 日 (月) C 会場

セッションオーガナイザー：末永 智一(東北大 WPI-AIMR)、宇井 幸一(岩手大院工)

29 日 (日)

9:00 – 9:55

Bioengineering Based on Electrochemistry

座長：Hsing-Chang Chang (National Cheng Kung University, Taiwan)、西澤 松彦(東北大院工)

29C1 Hsing-Chang Chang (National Cheng Kung University, Taiwan)

“Study on a Rapid Electrochemical Immuno-chip”

29C2 伊野 浩介(東北大院環境)

“Electrochemical Imaging for Cell Analysis using a High-density Sensor Array Based on Local Redox Cycling”

10:00 – 10:55

Fuel Cells

座長：Choong-Gon Lee (Hanbat National University, Korea)、仁科 辰夫(山形大院理工)

29C3 Choong-Gon Lee (Hanbat National University, Korea)

“Carbon Oxidation in a Direct Carbon Fuel Cell”

29C4 八代 圭司(東北大院環境)

“Development of Novel Cathode Materials for Low Temperature Solid Oxide Fuel Cells”

Sep. 30

9:00 – 10:30

Lithium Batteries

座長：AiShui Yu (Fudan University, China)、八代 仁(岩手大院工)

30C1 AiShui Yu (Fudan University, China)

“Li-Air Batteries: Possible Solution for Next Generation Energy Storage?”

30C2 門磨 義浩(岩手大院工)

“Synthesis and Electrochemical Characteristics of Cathode Oxide Materials for Lithium Secondary Batteries”

30C3 宇根本 篤(東北大 WPI-AIMR)

“Development of Room Temperature Ionic Liquid Based Quasi-solid-state Electrolyte and its Application to All-solid-state Lithium Rechargeable Battery”