

Symposium S2, September 18 (Wed) 15:00-17:50, 全共 102

Challenges in Resource Recycling: Exploring Solutions through Coordination Chemistry

Organizers:

Yutaka Hitomi (Doshisha Univ.), Yasuyuki Yamada (Nagoya Univ.),
Takahito Matsumoto (Kyushu Univ.)

15:00–15:05 **Opening remarks** Yutaka Hitomi (Doshisha Univ.)

Chair: Yasuyuki Yamada (Nagoya Univ.)

15:05–15:30 **S2-01** Efficient Fluoride Recovery from Functional Fluoropolymers:
Poly(vinylidene fluoride) and Related Copolymers Using Superheated
Water
Hisao Hori (Kanagawa Univ.)

15:30–15:55 **S2-02** Catalytic Hydrogenation of Carboxylic Acids Using Tailored Metal
Complexes
Susumu Saito (Nagoya Univ.)

Chair: Yutaka Hitomi (Doshisha Univ.)

15:55–16:20 **S2-03** Iridium Complex Catalyzed Hydrogen Production from Cellulose
under Mild Conditions
Ken-ichi Fujita (Kyoto Univ.)

16:20–16:45 **S2-04** Utilization of Biological Functions to Remove Toxic Metals or
Recover Valuable Metals from the Aquatic Environment
Mei-Fang Chien (Tohoku Univ.)

16:45–16:55 **Break**

Chair: Takahito Matsumoto (Kyushu Univ.)

16:55–17:20 **S2-05** Nanocatalysts for a Low-Carbon Society: Upgrading Chemicals
through Electrochemical Hydrogenation
Miho Yamauchi (Kyushu Univ.; Tohoku Univ.)

17:20–17:45 **S2-06** Electrocatalytic Hydrogenation of Pyridines by Using an
Anion-Exchange Membrane (AEM) Electrolyzer
Naoki Shida (Yokohama Natl. Univ.; JST PRESTO)

17:45–17:50 **Closing remarks** Yasuyuki Yamada (Nagoya Univ.)