

- 2Y17 ★ Relationship between grain boundary structure and thermal conductivity in ceramic materials (Osaka University・Japan Fine Ceramics Center) ○FUJII Susumu・(Nagoya University) YOKOI Tatsuya・(Kyoto University) SEKO Atsuto・(Osaka University・Japan Fine Ceramics Center) YOSHIYA Masato

異相界面熱伝導

(15:00) (Session Chairs: 奥原 芳樹)

- 2Y19 Full exploration of the thermodynamic states in thermoelectrics via phase boundary mapping (Kyushu University) ○Ohno Saneyuki
 2Y20 Thermal Conduction across Heterogeneous Interface between Chalcogenides by ab initio Lattice Dynamics (Osaka University) ○HINO Yuta・(Osaka University・Japan Fine Ceramics Center) FUJII Susumu・YOSHIYA Masato・(Osaka University) ISHIBE Takafumi・NAKAMURA Yoshiaki
 2Y21 Influence of local atomic arrangement on phonon properties at Si/SiO₂ interface (Osaka University) ○OURATA Sora・(Osaka University・Japan Fine Ceramics Center) FUJII Susumu・YOSHIYA Masato

(16:00) Break

熱エネルギー利用・制御

(16:20) (Session Chairs: 藤井 進)

- 2Y23 ★ Semiconducting Silicide Thin Films for Solar-thermal Energy Conversion (Japan Fine Ceramics Center) ○OKUHARA Yoshiki・TAKATA Masasuke
 2Y25 Thermal management for electrical circuits using latent heat associated with phase changes (Nagaoka University of Technology) ○Baba Masaaki・NEMOTO Kosei・YAMADA Noboru・TAKEDA Masatoshi
 2Y26 総合討論

■■September 02 (Thu) (Room Z) ■■

00-01.(Invite speaker only) International Session

(9:20) (Session Chairs: Davey Theresa)

- 2Z02 ★ Solvothermal Synthesis of Perovskite-type Oxide Nanocubes and Their Assembly (University of Yamanashi) ○WADA SATOSHI・UENO SHINTARO・FUJII ICHIRO
 2Z04 ★ Development of non-perovskite ferroelectric thin films. (Tokyo Institute of Technology) ○Funakubo Hiroshi・(National Institute for Materials Science) Shimizu Takao・(Tokyo Institute of Technology) Shiraishi Takahisa

(10:40) (Session Chairs: Nobuhito Imanaka)

- 2Z06 ★ Chemothermal pulverization technique; Heating not for sintering but for crushing and dispersion (National Institute for Materials Science) ○OHASHI Naoki
 2Z08 ★ Fabrication of BaTiO₃-based lead-free piezoelectric ceramics under low oxygen partial pressure and approach to improving their properties (Chubu University) ○SAKAMOTO Wataru

00-04.(Invite speaker only)

(13:00) (Session Chairs: 今中 佳彦)

- 2Z13 ★ NEDO's efforts following the formulation of material strategies (New Energy and Industrial Technology Development Organization) ○YOSHIKI Masayuki
 2Z16 ☆ Material processing and industry-academia-government collaboration in SDGs (TOHOKU UNIVERSITY) ○HAYASHI Yamato
 2Z18 ☆ Morphologically controlled functional ceramics for environmental purification by liquid-phase synthesis (Osaka University) ○GOTO Tomoyo
 2Z20 ☆ Creation of sodium-ion batteries using glass ceramics (Nagaoka University of Technology) ○HONMA Tsuyoshi
 2Z22 ☆ Functionalization of engineering ceramics via self-organization in vapor grown composite (Yokohama National University) ○ITO Akihiko
 2Z24 ☆ Synthesis of Morphology-controlled Dielectric Nanoparticles by Low-temperature Solution Processes and Development into Fine-composite Materials (University of Yamanashi) ○UENO Shintaro
 2Z26 ☆ Development of advanced ceramic biomaterials by surface modification techniques using apatite nuclei (Kyoto University) ○YABUTSUKA Takeshi

■■September 03 (Fri) (Room A) ■■

01.The future of the ceramics synthesis by aqueous solution process –Technological innovation based on a deeper understanding of the basic science –

(9:20) (Session Chairs: 長谷川 文二)

- 3A02 層状ケイ酸塩のイオン交換と抗菌特性 (山梨大学) ○Ariyapala Sulasa・Kumada Nobuhiro・Takei Takahiro・(東ソーSGM 株式会社) Horikoshi Hideharu
 3A03 Hydrothermal synthesis and crystal structure of a novel bismuth oxide: (K_{0.2}Sr_{0.8})(Na_{0.01}Ca_{0.25}Bi_{0.74})O₃ (山梨大学) ○Hossain Khandaker Monower・(Khulna Univ. Engg. Technol.) Saiduzzaman Md・(山梨大学) Kumada Nobuhiro・Takei Takahiro・(Tohoku University) Yamane Hisanori・(University of Rajshahi) Rubel Mirza H. K.

(10:00) (Session Chairs: 内山 弘章)

- 3A04 ★ Crystal interconversion and morphology control of metal-organic frameworks (Kansai University) ○TANAKA Shunsuke
 3A06 Topochemical Synthesis of Low Tolerance Factor Perovskite-type Fluoride Li₂CoF₃ (Kyushu university) ○MATSUO Yumi・MATSUBUKAWA Yuko・KITAKADO Masahiro・AKAMATSU Hirohumi・(Nagoya university) HASEGAWA Jouji・(Kyushu university) YOSHIDA Suguru・Ohno Saneyuki・HAYASHI Katsuro
 3A07 Efficient synthesis of SSZ-39 zeolites from amorphous starting materials (The University of Tokyo) Hu Peidong・○Iyoki Kenta・Wakihara Toru

■■September 03 (Fri) (Room C) ■■

第 34 回秋季シンポジウム 国際セッション：
Richard M. Fulrath Award Recipient Lecture

Organized by
International Committee of The Ceramic Society of Japan
The Japan Chapter of The American Ceramic Society

主旨：

日本セラミックス協会では、国際交流の活性化を目的として、2021年の年会より、年会および秋季シンポジウムにおいて International Symposium on Recent Development of Ceramic Science and Technologies (国際セッション) を開催しております。
今回はアメリカセラミックス学会日本チャプターの企画による Richard M. Fulrath Award 受賞者のご講演をいただきます。

参加方法：

秋季シンポジウム参加者であれば、どなたでもご参加いただけます。

プログラム：

■■2021年09月02日(木)(Z会場)■■

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(University of Yamanashi) ○WADA Satoshi・UENO Shintaro・FUJII Ichiro

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Technology) ○FUNAKUBO Hiroshi・(National Institute for Materials Science)
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