

15:15 – 15:30 **O-2** **“Doping and Annealing Effect on Microstructure, Luminescence and Scintillation Properties of Ce³⁺:Lu₃Al₅O₁₂ (Ce:LuAG) transparent ceramics”**
Jian Xu*, Ying Shi, Lingcong Fan, Junlang Li, Jianjun Xie, Fang Lei
Shanghai University, Shanghai, P. R. China

15:30 – 16:00 *Coffee Break*

Chair: Jacques Lucas (Rennes U)

16:00 – 16:30 **I-3** **“Giant micro-photonics for laser ignition”**
Takunori Taira
Institute for Molecular Science, Okazaki, Japan

16:30 – 17:00 **I-4** **“Micro domain control for anisotropic laser ceramics”**
Yoichi Sato and Takunori Taira
Institute for Molecular Science, Okazaki, Japan

Chair: Bruno Viana (Paris Tech)

17:00 – 17:30 **I-5** **“Bismuth-doped Transparent Pyrochlore Ceramic Phosphors with Broad-Band Emission”**
Satoshi Kuretake, Koji Murayama, and Nobuhiko Tanaka
Murata Manufacturing Co., Ltd., Kyoto, Japan

17:30 – 18:00 **I-6** **“Oxide semiconductor heterojunction solar cells”**
Tadatsugu Minami and Toshihiro Miyata
Kanazawa Institute of Technology, Ishikawa, Japan

Friday, November 15

Chair: Jumpei Ueda (Kyoto U)

9:00 – 9:30 **I-7** **“Novel hybrid LED based on ZnO-nanowire”**
B. Viana¹, O. Lupan¹, T. Pauporté¹, M. Dhaouadi¹, F. Pellé¹, L. Devis², T. Gacoin²
¹ *IRCP, Chimie ParisTech - UMR CNRS, Paris, France.*
² *Laboratoire de Physique de la Matière Condensée, Ecole Polytechnique – CNRS, Palaiseau, France*

- 9:30 – 10:00 **I-8** **“Local-structure dependent energy transfer from the host to Eu ions in Eu-doped GaN”**
Y. Fujiwara^a, R. Wakamatsu^a, D. Lee^a, V. Dierolf^b, and A. Koizumi^a
^a *Osaka University, Osaka, Japan*
^b *Lehigh University, Bethlehem, PA, USA*
- 10:00 – 10:30 **I-9** **“Impact of crystal orientation on InGaN-based efficient visible light emitters”**
Yoichi Kawakami, Mituru Funato and Akio Kaneta
Kyoto University, Kyoto, Japan
- 10:30 – 11:00 *Coffee Break*

Chair: Yasufumi Fujiwara (Osaka U)

- 11:00 – 11:30 **I-10** **“Chemical vapor deposition of hexagonal boron nitride and its luminescence property in the UV spectral region”**
K. Hara, Y. Kawanishi, H.-Y. Lee, N. Umehara, I. Kuwahara, T. Kouno,
H. Kominami
Shizuoka Univ., Hamamatsu, Japan
- 11:30 – 12:00 **I-11** **“Temperature dependence of thermally activated delayed fluorescence from 4Cz-IPN for highly efficient organic light-emitting diodes”**
Hiroyoshi Naito¹, Takashi Kobayashi¹, Kenichi Goushi², Chihaya Adachi²
¹ *Osaka Prefecture University, Sakai, Japan*
² *Kyushu University, Fukuoka, Japan.*
- 12:00 – 12:30 **I-12** **“Screening the oxygen sub-lattice in amorphous and crystalline oxides: stoichiometry and stress state at the molecular scale”**
Giuseppe Pezzotti^a, Andrea Leto^b, Wenliang Zhu^c
^a *Kyoto Institute of Technology, Kyoto, Japan*
^b *Piezotech Japan, Ltd., Kyoto, Japan*
^c *Osaka University, Osaka, Japan*
- 12:30 **Lunch** Restaurant "Shiran"

Chair: Pieter Dorenbos (Delft UT)

- 13:30 – 14:00 **I-13** **“Rare-earth-doped non-oxide glasses and glass-ceramics”**
Jean-Luc Adam, Virginie Nazabal, Xiang-Hua Zhang
Université de Rennes, Rennes, France
- 14:00 – 14:30 **I-14** **“Distribution of Rare-Earth Ion in Glass-Ceramics”**
Chao Liu^a, Jong Heo^{a,b} and Xiujian Zhao^a
^a *Wuhan University of Technology, Wuhan, P. R. China*
^b *Pohang University of Science and Technology, Pohang, Republic of Korea*
- 14:30 – 15:00 **I-15** **“Development of UV emitting phosphors in terms of host materials and activator ions”**
Yoshiyuki Inaguma, Raita Horiguchi, Yasuaki Taira, Shuhei Sasaki, Daisuke Mori
Gakushuin University, Tokyo, Japan

Chair: Jean-Luc Adam (Rennes U)

- 15:00 – 15:15 **O-3** **“New Energy Transfer Path from Cr to Nd in Yttrium Gallium Aluminum Garnet Codoped with Nd and Cr”**
Kazuki Takagi^a, Mitsuo Yamaga^a, Encarnacion G. Villora^b, Kiyoshi Shimamura^b,
Kazuo Hasegawa^c, Hiroshi Ito^c, Shintaro Mizuno^c
^a *Gifu University, Gifu, Japan*
^b *National Institute for Materials Science (NIMS), Tsukuba, Japan*
^c *Toyota Central R&D Laboratories, Aichi, Japan*
- 15:15 – 15:30 **O-4** **“Photochromism and Photostimulated luminescence of CaAl₂O₄:Eu²⁺,Nd³⁺ persistent phosphor”**
Tatsuaki Shinoda, Jumpei Ueda, Setsuhisa Tanabe
Kyoto University, Kyoto, Japan
- 15:30 – 16:00 *Coffee Break*
- 16:00 – 16:30 **I-16** **“Tb³⁺ and Gd³⁺ luminescence in CaMO₃ (M=Sn, Zr, Hf) perovskites”**
Kazushige Ueda, Yuhei Shimizu
Kyushu Institute of Technology, Kitakyushu, Japan

Chair: Masayoshi Mikami (Mitsubishi Chem.)

- 16:30 – 17:00 **I-17** **“Mapping of thermal quenching and luminescence lifetimes in phosphors at the microscopic level”**
Philippe F. Smet, Heleen Sijbom, Dirk Poelman
Ghent University, Ghent, Belgium
- 17:00 – 17:30 **I-18** **“Atomic-scale distortion of optically active Sm dopants determined by site-selective X-ray absorption spectroscopy”**
Masashi Ishii
National Institute for Materials Science (NIMS), Tsukuba, Japan
- 17:30 – 17:45 **O-5** **“Luminescence Properties of Tb-Doped CaF₂ Single-Crystals”**
Yutaro Chibana^a, Tomoru Oba^b, Akio Yamanaka^a
^a*Chitose Instrument Science and Technology, Chitose, Hokkaido, Japan*
^b*Canon Optron Inc., Ibaraki, Japan*
- 17:45 – 18:00 **O-6** **“Effect of Bi doping on persistent luminescence and photo-stimulated luminescence properties of MgGeO₃:Mn²⁺”**
Yumiko Katayama and Setsuhisa Tanabe
Kyoto University, Kyoto, Japan
- 18:30 **Banquet** *Hayakawa Minami-ten (Gion area)*