

**Room C #103** 10:30-12:30**[Mo-C1] Optical Materials and Devices I****Session Chairs:**

Yong Gyu Choi (Korea Aerospace Univ., Korea),
Shifeng Zhou (South China Univ. of Tech., China)

Mo-C1-1 [Invited] 10:30-11:00**Femtosecond Laser Induced Microstructures in Glass and their Applications**

Jianrong Qiu
Zhejiang Univ., China

Mo-C1-2 [Invited] 11:00-11:30**Unravelling Diffraction Pattern of Glass, Liquids, and Amorphous Materials**

Shinji Kohara
NIMS, Japan

Mo-C1-3 11:30-11:45**Intermediate-Band-Induced Strong Near-Infrared Absorption in Au Hyperdoped Si**

Wenjie Yang¹, Naheed Ferdous², Peter J. Simpson³,
Quentin Hudspeth⁴, Austin J. Akey⁵, Jeffrey M. Warrender⁴,
Elif Ertekin², Michael J. Aziz⁵, and Jim S. Williams¹

¹Australian Nat'l Univ., Australia, ²Univ. of Illinois USA,
³Univ. of Western Ontario, Canada, ⁴U.S. Army ARDEC-
Benet Laboratories, USA, ⁵Harvard John A. Paulson
School of Engineering and Applied Sci., USA

Mo-C1-4 11:45-12:00**Optically Thin Metal Film Electrodes with A Dense Array of Tiny Holes**

H.Jessica Pereira, Joseph Reed, Steven Huband, and Ross
Hatton
Univ. of Warwick, UK

Mo-C1-5 12:00-12:15**Effect of Short-Range Ordered Two-Dimensional Electron Gas at Al₂O₃/In₂O₃ Heterojunction**

Sang Yeon Lee and Hyungtak Seo
Ajou Univ., Korea

Mo-C1-6 12:15-12:30**Growth Mechanism and Luminescence Properties of CsPbBr₃@Cs₄PbBr₆ Single Crystal**

Xiaomei Chen and Haizheng Zhong
Beijing Inst. of Tech., China

Room D #104 10:30-12:30**[Mo-D1] Bio-integrated Electronics I****Session Chairs:**

Kyung-In Jang (DGIST, Korea),
Young Min Song (GIST, Korea)

Mo-D1-1 [Invited] 10:30-11:00**Transient Electronics**

SukWon Hwang
Korea Univ., Korea

Mo-D1-2 [Invited] 11:00-11:30**Soft Optofluidic Neural Systems for In Vivo Wireless Pharmacology and Optogenetics**

Jaewoong Jeong
KAIST, Korea

Mo-D1-3 [Invited] 11:30-12:00**Long-Term Electrical Properties of Interfacing Electrodes in Bodily Environments**

Sohee Kim
DGIST, Korea

Mo-D1-4 [Invited] 12:00-12:30**Materials Chemistry of Bioimplantable/ Biodegradable Electronics**

Yoon Kyeong Lee
Seoul Nat'l Univ., Korea