

Oral Session (Material) | Material

📅 Thu. Sep 24, 2026 3:05 PM - 4:10 PM JST | Thu. Sep 24, 2026 6:05 AM - 7:10 AM UTC | 🏛️ Oral Session Room 2 (Conference Room 501)

[Session 4] Lead-free 1

💎 Invited Talk

3:05 PM - 3:25 PM JST | 6:05 AM - 6:25 AM UTC

[2R214] Recent development of $(K_{1-x}Na_x)NbO_3$ -based piezoelectric ceramics

Sahn Nahm¹, Geun-Soo Lee¹, Boo-Hyun Choi¹, Hyun-Ju Choi¹ (1. Korea University)

3:25 PM - 3:40 PM JST | 6:25 AM - 6:40 AM UTC

[2R215] Ferroelectric Thermal Switch for Active Heat Control

Byoungjin Yoon^{1,2}, Wonjoon Choi², Chong-Yun Kang¹, Sunghoon Hur¹ (1. Korea Institute of Science and Technology, 2. Korea University)

3:40 PM - 3:55 PM JST | 6:40 AM - 6:55 AM UTC

[2R216] Enhanced Electrocaloric Effect in $BaTiO_3$ -Based Lead-Free Ceramic via Donor-Acceptor Defect-Dipole Engineering

Ye-Rok Choi¹, Byeong-Jae Min¹, Ju-Hee Kim¹, Seo-Hyun Choi¹, YeongSeo Yoon¹, Hyun-Cheol Song¹ (1. Korea University)

3:55 PM - 4:10 PM JST | 6:55 AM - 7:10 AM UTC

[2R217] Accuracy-Controlled Grayscale DLP Printing of $(K,Na)NbO_3$ Ceramic Composites

Dong-Kwan Lee¹, Jisoo Nam¹, Jaewon Cho¹, Miso Kim¹ (1. Korea Advanced Institute of Science and Technology)