

Oral Session (Device) Device

🗓 Fri. Sep 25, 2026 11:10 AM - 12:30 PM JST | Fri. Sep 25, 2026 2:10 AM - 3:30 AM UTC | 🏢 Oral Session Room 1 (International Conference Hall)

[Session 7] Piezoelectric Motors and Control Systems 2

11:10 AM - 11:25 AM JST | 2:10 AM - 2:25 AM UTC

[3R106] Material Optimization for Type-C Rotor in Micro Ultrasonic Motor

Taiki Hosako¹ (1. Okayama University.)

11:25 AM - 11:40 AM JST | 2:25 AM - 2:40 AM UTC

[3R107] Sensorless Torque Estimation and Frequency-Phase Hybrid Control for an Ultrasonic-Motor-Driven Soft Tissue Grasping Gripper

Yanbo Wang¹, Iori Miyata¹, Takeshi Morita¹ (1. The University of Tokyo)

11:40 AM - 11:55 AM JST | 2:40 AM - 2:55 AM UTC

[3R108] Visual Control of Micro Spherical Ultrasonic Motor

Okuto Nakatsuka¹, Shunsuke Izuhara¹, Taro Shibasaki¹, Takateru Urakubo², Tomoaki Mashimo¹ (1. Okayama Univ., 2. Kobe Univ.)

11:55 AM - 12:10 PM JST | 2:55 AM - 3:10 AM UTC

[3R109] Replacement of PZT in Langevin Transducers with Hard, Lead-Free Piezoceramics

Tobias Hemsel¹, Claus Scheidemann¹, Walter Littmann², Walter Sextro¹ (1. Paderborn University, Warburger Strasse 100, 33098 Paderborn, Germany, 2. ATHENA Technologie Beratung GmbH, Technologiepark 13, 33100 Paderborn, Germany)

12:10 PM - 12:25 PM JST | 3:10 AM - 3:25 AM UTC

[3R110] Non-Contact Surface Wave Velocity Anisotropy Measurement of Food Using Airborne Ultrasound and a Parabolic Reflector with Radial Laser-Access Slits

Keiya Yamashita¹, Naoki Tano¹, Kentaro Nakamura¹, Marie Tabaru¹ (1. Institute of Science Tokyo)