

Tuesday, November 11

09:00– Registration

09:50 Opening Ceremony

10:00–10:45 Ultrasonic properties of materials, Phonon physics Chair: Kazushi Yamanaka (Tohoku Univ.)

- 1J1-1* Study on fast recovery of elastic constants of metallic thin films by resonant-ultrasound spectroscopy 1
Takeo Nakashima†, Nobutomo Nakamura, Hirotsugu Ogi, Masahiko Hirao, Masayoshi Nishiyama (Osaka Univ.)
- 1J1-2 Characterization of thermal properties of porous Si film adsorbed with CdSe quantum dots using photoacoustic technique 3
Jun Kogakura†, Yushi Kato, Qing Shen, Taro Toyoda (Univ. Electro-Com.)
- 1J1-3* Epitaxial KNbO₃ films grown on SrRuO₃/SrTiO₃ using hydrothermal method and their electromechanical properties 5
Mutsuo Ishikawa†, Satoru Utsugi, Takashi Fujisawa, Shintaro Yasui, Tomoaki Yamada, Minoru Kurosawa, Takeshi Morita¹, Hiroshi Funakubo (Tokyo Instit. Tech.; ¹Univ. Tokyo)

10:45–10:50 Break

10:50–11:50 Acousto-optics / Underwater ultrasound Chair: Takenobu Tsuchiya (Kanagawa Univ.)

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- 1J3-2* High efficient optical mode converter using Lamb wave 9
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Morio Onoe† (Univ. Tokyo)

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9:00– Registration

9:10–10:10 Aural English Session I

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3P8-25*	Elastic holding mechanism for ultrasonic motors Naotake Inoue†, Takaaki Ishii (Univ. Yamanashi)	501
3P8-26	Design of a two-dimensional array of multi-degree-of-freedom ultrasonic micro motors Yasuyuki Goda†, Daisuke Koyama, Kentaro Nakamura (Tokyo Inst. Tech.)	503
3P8-27	A self-running ultrasonically levitated 2D stage Daisuke Koyama†, Kentaro Nakamura (Tokyo Inst. Tech.)	505
3P8-28	Effects of gap distance on revolution speed of non-contact type ultrasonic motor using flexurally vibrating disk Yasuhiro Yamayoshi†, Tomohiro Nakagawa, Hideki Tamura, Seiji Hirose (Yamagata Univ.)	507
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3J7a-2*	Examination of parameters depending on scatterer density for quantification of liver fibrosis Hiroshi Eduka†, Tadashi Yamaguchi, Naohisa Kamiyama ¹ , Hiroyuki Hachiya ² (Chiba Univ.; ¹ Toshiba Medical Systems; ² Tokyo Inst. Tech.)	511
3J7a-3	Measurement of scatterer-size dependent frequency characteristics of high frequency ultrasonic echoes for assessment of red blood cell aggregation Nobutaka Saitoh†, Hideyuki Hasegawa, Hiroshi Kanai (Tohoku Univ.)	513
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3J7b-1	Micro bubble adhesion to target wall by ultrasonic wave frequency sweep method Yoshiki Yamakoshi†, Takashi Miwa (Gunma Univ.)	517
3J7b-2*	Ultrasound based multi-functional imaging using size dependent characteristics of phase change nano droplet Rei Asami†, Takashi Azuma, Ken-ichi Kawabata (Hitachi)	519
3J7b-3	Calorimetric method for measuring high ultrasonic powers using distilled water as the heating material: Eliminating the effects of acoustic streaming, viscous heating and thermocouple position Tsuneo Kikuchi†, Takeyoshi Uchida (AIST)	521
3J7b-4	Viscoelasticity estimation of soft tissue for estimation of heat generation in application of ultrasonic surgical knife Naoki Suzuki†, Hideyuki Hasegawa, Hiroshi Kanai (Tohoku Univ.)	523
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