

# The 40th Symposium on UltraSonic Electronics

## Organized by :

USE2019 Symposium on Ultrasonic Electronics Organizing Committee

## Endorsement :

The Japan Society of Applied Physics

## Cooperation with :

The Institute of Image Information and Television Engineers / The Marine Acoustics Society of Japan /

The Japan Society for Precision Engineering / Ultrasonic Manufacturers Association of Japan /

The Institute of Electrical Engineers of Japan / The Institute of Electronics, Information and Communication Engineers /  
Acoustical Society of Japan / The Chemical Society of Japan /

JSPS 150th Committee on Acoustic Wave Device Technology / The Japan Society of Mechanical Engineers /

The Japan Institute of Metals and Materials / Japanese Society for Medical and Biological Engineering /

Japan Society of Sonochemistry / The Japan Society of Ultrasonics in Medicine /

The Japanese Society for Non-Destructive Inspection / The Physical Society of Japan /

The Spectroscopical Society of Japan / The Japan Society for Analytical Chemistry /

Japan Analytical Instruments Manufacturers Association / Nonlinear Acoustics Society of Japan

## Supported by :

The Murata Science Foundation

## Date :

November 25 (Mon.) - 27 (Wed.), 2019

## Venue :

Academy Common, Meiji University

## URL :

<http://www.use-jp.org/>

## ORGANIZING COMMITTEE

### Chair

H. Kanai (Tohoku Univ.)

## SECRETARY BOARD

### Chair

Y. Watanabe (Doshisha Univ.)

### Vice Chairs

K. Yamanaka (Tohoku Univ.)

K. Sakai (Univ. of Tokyo)

### Members

H. Ogi (Osaka Univ.)

S. Kakio (Univ. of Yamanashi)

H. Kanai (Tohoku Univ.)

M. K. Kurosawa (Tokyo Tech)

J. Kondoh (Shizuoka Univ.)

P.-K. Choi (Meiji Univ.)

K. Nakamura (Tokyo Tech)

H. Nomura (Univ. of Electro-Commun.)

K. Hashimoto (Chiba Univ.)

H. Hasegawa (Toyama Univ.)

H. Hachiya (Tokyo Tech)

M. Matsukawa (Doshisha Univ.)

H. Miura (Nihon Univ.)

K. Mizutani (Univ. of Tsukuba)

Y. Watanabe (Tokyo Metropolitan Univ.)

### Auditor

M. Kadota (Tohoku Univ.)

J. Kushibiki (Tohoku Univ.)

## STEERING COMMITTEE

### Chair

K. Nakamura (Tokyo Tech)

### Vice-Chair

J. Kondoh (Shizuoka Univ.)

P.-K. Choi (Meiji Univ.)

### Members

H. Ogi (Osaka Univ.)

K. Sakai (Univ. of Tokyo)

H. Hasegawa (Toyama Univ.)

M. Matsukawa (Doshisha Univ.)

K. Mizutani (Univ. of Tsukuba)

Y. Watanabe (Tokyo Metropolitan Univ.)

## LOCAL COMMITTEE MEMBERS

### Chair

H. Miura (Nihon Univ.)

### Members

T. Asami (Nihon Univ.)

Y. Itoh (Nihon Univ.)

A. Osumi (Nihon Univ.)

D. Koyama (Doshisha Univ.)

A. Nagakubo (Osaka Univ.)

H. Nomura (Univ. of Electro-Commun.)

T. Hirano (Univ. of Tokyo)

S. Mitani (Univ. of Tokyo)

H.-B. Lee (Japan Women's Univ.)

## PROGRAM COMMITTEE

### Chair

S. Kaki (Univ. of Yamanashi)

### Vice Chair

H. Hasegawa (Toyama Univ.)

### Members

I. Akiyama (Doshisha Univ.)  
H. Odagawa (Kumamoto National College of Tech.)  
M. Kobayashi (Kumamoto Univ.)  
K. Sakai (Univ. of Tokyo)  
S. Takeuchi (Toin Univ. of Yokohama)  
K. Nakamura (Tokyo Tech)  
H. Hachiya (Tokyo Tech)  
K. Masuda (Tokyo Univ. of Agri. Tech.)  
K. Mizutani (Univ. of Tsukuba)  
T. Morita (Univ. of Tokyo)  
T. Yamaguchi (Chiba Univ.)

S. Umemura (Tohoku Univ.)  
S. Kudoh (Ishinomaki Senshu Univ.)  
J. Kondoh (Shizuoka Univ.)  
T. Shiina (Kyoto Univ.)  
S. Tanaka (Tohoku Univ.)  
H. Nomura (Univ. of Electro-Commun.)  
A. Harata (Kyushu Univ.)  
T. Matsuoka (Nagoya Univ.)  
T. Mihara (Tohoku Univ.)  
K. Yasui (AIST)  
Y. Watanabe (Tokyo Metropolitan Univ.)  
H. Ogi (Osaka Univ.)  
N. Kudo (Hokkaido Univ.)  
P.-K. Choi (Meiji Univ.)  
T. Shimura (JAMSTEC)  
T. Tsuchiya (Kanagawa Univ.)  
K. Hashimoto (Chiba Univ.)  
H. Harada (Meisei Univ.)  
M. Matsukawa (Doshisha Univ.)  
K. Mori (National Defense Academy of Japan)  
T. Yanagitani (Waseda Univ.)  
O. B. Wright (Hokkaido Univ.)

## ORGANIZING COMMITTEE

### Members

M. Aoyagi (Muroran Inst. of Tech.)  
T. Asada (Murata Manufacturing Co.)  
M. Arakawa (Tohoku Univ.)  
I. Ihara (Nagaoka Univ. of Tech.)  
R. Iwase (JAMSTEC)  
N. Endo (Kanagawa Univ.)  
M. Ohno (Chiba Inst. of Tech.)  
H. Ogasawara (National Defense Academy of Japan)  
Y. Ohara (Tohoku Univ.)  
K. Kawabata (Hitachi Ltd.)  
T. Kimura (Mitsubishi Electric Corp.)  
T. Kozuka (Aichi Inst. of Tech.)  
D. Koyama (Doshisha Univ.)  
A. Saito (Shibaura Inst. of Tech.)  
S. Sakamoto (Univ. of Shiga Pref.)  
M. Sato (Univ. of Toyama)  
M. Jin (Nippon Inst. of Tech.)  
T. Sugimoto (Toin Univ. of Yokohama)  
M. Takasaki (Saitama Univ.)  
H. Taki (MaRI Co. Ltd.)  
H. Tamura (Tohoku Inst. of Tech.)  
T. Tsujimoto (Horiba Ltd.)  
Y. Tsurugaya (Sanyo Seiko)  
N. Nakaso (Toppan Printing Co. Ltd.)  
H. Nagata (Tokyo Univ. of Sci.)  
N. Nitta (AIST)  
T. Hayashi (Osaka Univ.)  
S. Hiryu (Doshisha Univ.)  
A. Hosokawa (Akashi National College of Tech.)  
O. Matsuda (Hokkaido Univ.)  
A. Minamide (International College of Tech.)  
M. Yamakawa (Kyoto Univ.)  
K. Yamamoto (Kansai Univ.)  
M. Yoshioka (AIST)  
N. Wakatsuki (Univ. of Tsukuba)  
Kang-Lyeol Ha (Pukyong National Univ.)  
Yuu Ono (Carleton Univ.)

S. Akao (Ball Wave Inc.)  
K. Adachi (Yamagata Univ.)  
K. Ikushima (Tokyo Univ. of Agri. Tech.)  
Y. Itoh (Nihon Univ.)  
M. Ueda (Taiyo Yuden Co. Ltd.)  
K. Ohkawa (Akita Univ.)  
Y. Ohashi (Tohoku Univ.)  
K. Okitsu (Osaka Pref. Univ.)  
N. Kamiyama (GE Healthcare Japan)  
T. Kanda (Okayama Univ.)  
Y. Koike (Shibaura Inst. of Tech.)  
N. Goto (Tokushima Univ.)  
T. Kondoh (Univ. of Toyama)  
K. Saito (Hokkaido Univ.)  
S. Sato (Nihon Dempa Kogyo Co.)  
T. Shiosaki (NAIST)  
R. Suetoshi (Furuno Electric Co. Ltd.)  
K. Zempo (Univ. of Tsukuba)  
S. Takashima (Oki Electric Industry Co. Ltd.)  
T. Takenaka (Tokyo Univ. of Sci.)  
Q. Shen (Univ. of Electro-Commun.)  
T. Tsuchiya (Doshisha Univ.)  
Y. Tokunaga (Kanazawa Inst. of Tech.)  
H. Nakata (DAISHINKU Co.)  
Y. Nagatani (Pixie Dust Technologies, Inc.)  
S. Noge (Numazu National College of Tech.)  
S. Hirata (Tokyo Tech)  
A. Fukuyama (Univ. of Miyazaki)  
M. Hosoda (Tokyo Denki Univ.)  
T. Mizuno (Konica Minolta Inc.)  
H. Miyazaki (National Defense Academy of Japan)  
Y. Yamakoshi (Gunma Univ.)  
H. Yamamoto (Hitachi Construction Machinery Co.)  
S. Yoshizawa (Tohoku Univ.)  
S. Wadaka (AMIC Co. Ltd.)  
Joonsoon Kim (Tongmyong Univ.)  
Younggyu Son (Kumoh National Inst. of Tech.)  
Y. Asakura (Honda Electronics Co. Ltd.)  
H. Abe (TOKIN Corp.)  
T. Ishii (Univ. of Yamanashi)  
K. Imano (Akita Univ.)  
T. Ebihara (Univ. of Tsukuba)  
E. Ohdaira (Toin Univ. of Yokohama)  
T. Ohmori (Chiba Univ.)  
Y. Ogura (Japan Probe Co. Ltd.)  
H. Karasawa (FUJIFILM Co.)  
T. Kikuchi (National Defense Academy of Japan)  
K. Koh (Kanagawa Inst. of Tech.)  
K. Kobayashi (Honda Electronics Co. Ltd.)  
Y. Saijo (Tohoku Univ.)  
S. Saito (Toshiba Co.)  
T. Sato (Tokyo Metropolitan Univ.)  
S. Shikata (Kwansei Gakuin Univ.)  
S. Sugawara (Ishinomaki Senshu Univ.)  
J. Soejima (Kaijo Corp.)  
N. Tagawa (Tokyo Metropolitan Univ.)  
M. Tabaru (Tokyo Tech)  
T. Tsuji (Tohoku Univ.)  
T. Tsuchiya (Tokyo Univ. of Marine Sci. and Tech.)  
S. Nakagawa (Chiba Univ.)  
N. Nakamura (Osaka Univ.)  
H. Nishino (Tokushima Univ.)  
S. Hatanaka (Univ. of Electro-Commun.)  
T. Hirano (Univ. of Tokyo)  
S. Fujii (Okinawa National College of Tech.)  
H. Masuyama (Toba National College of Maritime Tech.)  
S. Mitani (Univ. of Tokyo)  
H. Yatsuda (Japan Radio Co. Ltd.)  
K. Yamada (Tohoku Gakuin Univ.)  
M. Yamamoto (NEC Co.)  
K. Yoshida (Chiba Univ.)  
Y. Watanabe (JAMSTEC)  
Moojoon Kim (Pukyong National Univ.)

**Advisors**

T. Otani  
M. Kadota  
S. Kojima  
K. Takagi  
Y. Tomikawa  
A. Nakamura  
T. Hata

K. Okano  
A. Kawabata  
S. Saito  
N. Chubachi  
K. Nagai  
K. Nakamura  
M. Yamaguchi

M. Onoe  
J. Kushibiki  
Y. Shimizu  
J. Tsujino  
Y. Nakagawa  
H. Nomura  
K. Yamanouchi

**EXHIBITORS**

Kaijo Corporation  
MSH Systems, Inc.

Kato Koken Co., Ltd  
NEOARK CORPORATION

Lasertec Corporation  
Polytec Japan

**COMPANY INFORMATION**

Kaijo Corporation

MSH Systems, Inc.

Polytec Japan