

# The 37th Symposium on UltraSonic Electronics

## Sponsored by :

USE2016 Symposium on Ultrasonic Electronics Organizing Committee

## Cosponsored by :

The Acoustical Society of Korea

## Endorsement :

The Japan Society of Applied Physics / Busan Tourism Organization

## 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 Electronic, Information and Communication Engineers /  
Acoustical Society of Japan / The Chemical Society of Japan / 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

## Date :

November 16 (Wed.) - 18 (Fri.), 2016

## Venue :

Pukyong National University

## URL :

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

## ORGANIZING COMMITTEE

### Co-Chair

J. Kushibiki (Tohoku Univ.)

Kang Lyeol Ha (Pukyong National Univ.)

## SECRETARY BOARD

### Chair

Y. Watanabe (Doshisha Univ.)

### Vice Chairs

K. Yamanaka (Tohoku Univ.)

K. Sakai (Univ. of Tokyo)

### Members

S. Umemura (Tohoku Univ.)

H. Ogi (Osaka Univ.)

H. Kanai (Tohoku Univ.)

M. K. Kurosawa (Tokyo Tech.)

J. Kondoh (Shizuoka Univ.)

P.-K. Choi (Meiji Univ.)

K. Nakamura (Tokyo Tech.)

K. Hashimoto (Chiba Univ.)

H. Hachiya (Tokyo Tech.)

M. Matsukawa (Doshisha Univ.)

K. Mizutani (Univ. of Tsukuba)

K. Yamada (Tohoku Gakuin Univ.)

Y. Watanabe (Tokyo Metropolitan Univ.)

### Observer

Moo-Joon Kim (Pukyong National Univ.)

## Advisory Board

S. Kohda (Nagoya Univ.)

## Auditor

Y. Nakagawa (Univ. of Yamanashi)

M. Kadota (Tohoku Univ.)

## STEERING COMMITTEE

### Chair

S. Umemura (Tohoku Univ.)

### Vice Chair

K. Yamada (Tohoku Gakuin Univ.)

### Members

H. Ogi (Osaka Univ.)

J. Kondoh (Shizuoka Univ.)

K. Sakai (Univ. of Tokyo)

M. Matsukawa (Doshisha Univ.)

K. Mizutani (Univ. of Tsukuba)

Y. Watanabe (Tokyo Metropolitan Univ.)

## **INTERNATIONAL COMMITTEE**

### **Chair**

P.-K. Choi (Meiji Univ.)

## **LOCAL COMMITTEE**

### **Chair**

Moo-Joon Kim (Pukyong National Univ.)

### **Members**

Jung-Soon Kim (Tongmyong Univ.)      Yongrae Roh (Kyungpook National Univ.)

## **PROGRAM COMMITTEE**

### **Chair**

M. Matsukawa (Doshisha Univ.)

### **Vice Chair**

H. Ogi (Osaka Univ.)

### **Members**

I. Akiyama (Doshisha Univ.)  
S. Kakio (Univ. of Yamanashi)  
J. Kondoh (Shizuoka Univ.)  
T. Shiina (Kyoto Univ.)  
S. Tanaka (Tohoku Univ.)  
K. Nakamura (Tokyo Tech.)  
H. Hasegawa (Univ. of Toyama)  
H. Harada (Meisei Univ.)  
T. Matsuoka (Nagoya Univ.)  
K. Mori (National Defense Academy of Japan)  
A. Yamada (Tokyo Univ. of Agri. Tech.)  
Moo-Joon Kim (Pukyong National Univ.)

S. Umemura (Tohoku Univ.)  
S. Kudoh (Ishinomaki Senshu Univ.)  
P.-K. Choi (Meiji Univ.)  
T. Shimura (JAMSTEC)  
T. Tsuchiya (Doshisha Univ.)  
H. Nomura (Univ. of Electro-Commun.)  
H. Hachiya (Tokyo Tech.)  
M. Hikita (Kogakuin Univ.)  
K. Mizutani (Univ. of Tsukuba)  
T. Morita (Univ. of Tokyo)  
O. B. Wright (Hokkaido Univ.)

H. Odagawa (Kumamoto National College of Tech.)  
N. Kudo (Hokkaido Univ.)  
K. Sakai (Univ. of Tokyo)  
S. Takeuchi (Toin Univ. of Yokohama)  
T. Tsuchiya (Kanagawa Univ.)  
K. Hashimoto (Chiba Univ.)  
A. Harata (Kyushu Univ.)  
K. Masuda (Tokyo Univ. of Agri. Tech.)  
T. Mihara (Tohoku Univ.)  
K. Yasui (AIST)  
Y. Watanabe (Tokyo Metropolitan Univ.)

## **ORGANIZING COMMITTEE MEMBERS**

### **Members**

M. Aoyagi (Muroran Inst. of Tech.)  
T. Asada (Murata Manufacturing Co.)  
H. Abe (NEC TOKIN Co.)  
K. Ikushima (Tokyo Univ. of Agri. Tech.)  
H. Inoue (Open Univ. of Japan)  
R. Iwase (JAMSTEC)  
N. Endo (Kanagawa Univ.)  
M. Ohno (Chiba Inst. of Tech.)  
I. Okabayashi (Konica Minolta, Inc.)  
Y. Ogura (Japan Probe Co., Ltd.)  
N. Kamiyama (GE Healthcare Japan)  
T. Kanda (Okayama Univ.)  
Y. Koike (Shibaura Inst. of Tech.)  
T. Kozuka (Aichi Inst. of Tech.)  
M. Kobayashi (Kumamoto Univ.)  
Y. Saito (Tohoku Univ.)  
S. Saito (Toshiba Co.)  
M. Sato (Univ. of Toyama)  
S. Sugawara (Ishinomaki Senshu Univ.)  
J. Soejima (Kaijo Corp.)  
H. Taki (Tohoku Univ.)  
H. Tamura (Tohoku Inst. of Tech.)  
T. Tsujimoto (Horiba, Ltd.)  
Y. Tokunaga (Kanazawa Inst. of Tech.)  
H. Nakata (DAISHINKU Co.)  
Y. Nagatani (Kobe City College of Tech.)  
N. Nitta (AIST)

S. Akao (Tohoku Univ.)  
T. Azuma (Univ. of Tokyo)  
M. Arakawa (Tohoku Univ.)  
T. Ishii (Univ. of Yamanashi)  
I. Ihara (Nagaoka Univ. of Tech.)  
M. Ueda (Taiyo Yuden Co., Ltd.)  
K. Ohkawa (Akita Univ.)  
Y. Ohashi (Tohoku Univ.)  
H. Ogasawara (National Defense Academy of Japan)  
Y. Ohara (Tohoku Univ.)  
H. Karasawa (FUJIFILM Co.)  
T. Kikuchi (National Defense Academy of Japan)  
K. Koh (Kanagawa Inst. of Tech.)  
N. Goto (Tokushima Univ.)  
D. Koyama (Doshisha Univ.)  
A. Saito (Shibaura Inst. of Tech.)  
S. Sakamoto (Univ. of Shiga Pref.)  
T. Shiosaki (NAIST)  
T. Sugimoto (Toin Univ. of Yokohama)  
M. Takasaki (Saitama Univ.)  
T. Takenaka (Tokyo Univ. of Sci.)  
Q. Shen (Univ. of Electro-Commun.)  
T. Tsuchiya (JAMSTEC)  
S. Nakagawa (Chiba Univ.)  
N. Nakamura (Osaka Univ.)  
H. Nishino (Tokushima Univ.)  
S. Noge (Numazu National College of Tech.)

Y. Asakura (Honda Electronics Co. Ltd.)  
K. Adachi (Yamagata Univ.)  
T. Ikari (Univ. of Miyazaki)  
Y. Ito (Nihon Univ.)  
K. Imano (Akita Univ.)  
T. Ebihara (Univ. of Tsukuba)  
E. Ohdaira (Toin Univ. of Yokohama)  
T. Ohmori (Chiba Univ.)  
K. Okitsu (Osaka Pref. Univ.)  
T. Kamakura (Univ. of Electro-Commun.)  
K. Kawabata (Hitachi, Ltd.)  
T. Kimura (Mitsubishi Electric Corp.)  
S. Kojima (Univ. of Tsukuba)  
K. Kobayashi (Honda Electronics Co. Ltd.)  
T. Kondoh (Univ. of Toyama)  
K. Saito (Hokkaido Univ.)  
T. Sato (Tokyo Metropolitan Univ.)  
S. Shikata (Kwansei Gakuin Univ.)  
K. Zempo (Univ. of Tsukuba)  
N. Tagawa (Tokyo Metropolitan Univ.)  
M. Tabaru (Tokyo Tech.)  
T. Tsuji (Tohoku Univ.)  
Y. Tsurugaya (Sanyo Seiko)  
N. Nakaso (Toppan Printing Co., Ltd.)  
H. Nagata (Tokyo Univ. of Sci.)  
Y. Nishimori (Furuno Electric Co., Ltd.)  
M. Hashimoto (Panasonic Corp.)

K. Hasegawa (Muroran Inst. of Tech.) S. Hatanaka (Univ. of Electro-Commun.) T. Hayashi (Kyoto Univ.)  
S. Hirata (Tokyo Tech.) T. Hirano (Univ. of Tokyo) S. Hiryu (Doshisha Univ.)  
S. Fujii (Okinawa National College of Tech.) T. Hoshimiya (Tohoku Gakuin Univ.) A. Hosokawa (Akashi National College of Tech.)  
M. Hosoda (Tokyo Denki Univ.) H. Masuyama (Toba National College of Maritime Tech) O. Matsuda (Hokkaido Univ.)  
H. Miura (Nihon Univ.) K. Misu (Tottori Univ.) S. Mitani (Univ. of Tokyo)  
H. Mitome (AIST) A. Minamide (Kanazawa Technical College) H. Miyazaki (National Defense Academy of Japan)  
J. Morimoto (Defense Tech. Foundation) S. Yauchi (Oki Electric Industry Co., Ltd.) H. Yatsuda (Japan Radio Co., Ltd.)  
T. Yanagitani (Waseda Univ.) M. Yamakawa (Kyoto Univ.) T. Yamaguchi (Chiba Univ.)  
Y. Yamakoshi (Gunma Univ.) K. Yamamoto (Kansai Univ.) H. Yamamoto (Hitachi Construction Machinery Co.)  
M. Yamamoto (NEC Co.) Y. Yamamoto (Nihon Dempa Kogyo Co.) M. Yoshioka (AIST)  
S. Yoshizawa (Tohoku Univ.) K. Yoshida (Chiba Univ.) N. Wakatsuki (Univ. of Tsukuba)  
N. Wakatsuki (Ishinomaki Senshu Univ.) S. Wadaka (AMIC Co.,Ltd.) Y. Watanabe (JAMSTEC)  
B.-C. Kim (Korea Inst. of Ocean Sci. and Tech.) J.-H. Khim (Korea Univ.) Y. Ono (Carleton Univ.)  
J.-R. Yoon (Pukyong National Univ.)

#### ADVISORS

T. Otani K. Okano M. Onoe  
M. Kadota A. Kawabata S. Saito  
Y. Shimizu K. Takagi N. Chubachi  
J. Tsujino Y. Tomikawa K. Nagai  
Y. Nakagawa A. Nakamura K. Nakamura  
K. Negishi H. Nomura T. Hata  
M. Yamaguchi K. Yamanouchi

#### EXHIBITORS

Shincron Co.,Ltd. Tokyo Instruments, Inc. Prexion Corporation