

2nd Call for Papers

TJMW2018

2018 Thailand-Japan MicroWave



**King Mongkut's Institute of
Technology Ladkrabang (KMITL)**

Bangkok, Thailand

June 27-29, 2018

<http://www.ieice.org/~mw/TJMW2018/>

IMPORTANT DATES

Paper submission website open: March 1, 2018

Paper submission deadline: April 1, 2018

Registration website open: April 30, 2018

TJMW2018: June 27-29, 2018



TJMW2018 is sponsored by IEICE Technical Committee on Microwaves and is jointly hosted by King Mongkut's Institute of Technology Ladkrabang (KMITL). Technical co-sponsorships will be acknowledged by IEICE Bangkok Section, ECTI Association, IEEE MTT/AP/ED Thailand Chapter, IEEE MTT-S Japan Chapter, IEEE MTT-S Kansai Chapter, IEEE MTT-S Nagoya Chapter, IEICE Technical Committee on Integrated Circuits and Devices, IEICE Technical Committee on Wireless Power Transfer.



COMMITTEE

General Chairs

Chuwong Phongcharoenpanich, KMITL
Hiroshi Okazaki, NTT DOCOMO

Vice Chairs

Tadashi Kawai, Univ. of Hyogo
Kensuke Okubo, Okayama Pref. Univ.

Secretaries

Takahiro Nakamura, Hitachi
Takashi Shimizu, Utsunomiya Univ.

Technical Program/Publication Chairs

Masataka Ohira, Saitama Univ.
Takashi Shimizu, Utsunomiya Univ.

Technical Program Members

Ryo Ishikawa, Univ. of Electro-Commun.
Kenji Itoh, Kanazawa Inst. of Tech.
Hiroyuki Ito, Tokyo Inst. of Tech.
Nobuyuki Itoh, Okayama Prefectural Univ.
Junji Sato, Panasonic
Atsushi Sanada, Osaka Univ.
Kei Sawada, RIKEN
Naoki Shinohara, Kyoto Univ.
Naoto Sekiya, Univ. of Yamanashi
Kenichi Tajima, Mitsubishi Electric
Satoshi Tomita, Nara Inst. of Sci. and Tech.
Shoichi Narahashi, Setsunan Univ.
Kenjiro Nishikawa, Kagoshima Univ.
Eisuke Nishiyama, Saga Univ.
Toshihiko Hamasaki, Hiroshima Inst. of Tech.
Cong-Kha Pham, Univ. of Electro-Commun.
Minoru Fujishima, Hiroshima Univ.
Tomohiko Mitani, Kyoto Univ.

Publicity & Web Master Chair

Tomohiko Mitani, Kyoto Univ.
Satoshi Ono, Univ. of Electro-Commun.

Local Arrangement Chair

Hiroyuki Kayano, Toshiba

Student Design Competition Chair

Takuichi Hirano, Tokyo Int. of Tech.

Student Encouragement / Tutorial Organization Chairs

Masahiro Horibe, AIST
Tomohiro Seki, Nihon Univ.

Financial Chair

Kensuke Okubo, Okayama Pref. Univ.

TUTORIALS & TECHNICAL SESSIONS

TJMW2018 offers intensive tutorials and technical sessions on state-of-the-art RF, microwave, millimeter-wave and terahertz-wave theory and techniques with foresighted keynote and invited talks from Thailand, Japan and ASEAN countries. Technical sessions will take place on June 28-29. Tutorials will take place on June 27.

STUDENT DESIGN COMPETITION

All the students are welcomed to participate in the Student Design Competition, which will take place on June 27. A student or a team (up to 3 students) will bring and measure a prototype microwave circuit that are designed and manufactured by the student(s). The best measurement performances will be awarded at the end of the competition. Detail guideline will be announced at the end of March on the TJMW website.

PAPER SUBMISSION

Authors are invited to submit technical papers describing original work on RF, microwave, millimeter-wave and terahertz-wave theory and techniques. The topic includes but is not limited to:

A. Active Devices and Circuits

Low-noise devices and circuits, high-power devices and circuits, control circuits (mixers, oscillators, switches, etc.), MMICs and HMICs (receivers, transmitters, etc.), silicon RF devices

B. Passive Components

Filters and resonators, ferrite and surface wave components, packaging techniques, passive devices and circuits, waveguides, transmission lines

C. Systems

Communication systems, microwave applications (ITS, SPS, etc.), microwave medical & biological applications/EMC/EMI, phased array antenna systems

D. Fundamental theory and techniques

Scattering and propagation, electromagnetic field theory and CAD, antenna theory and designs, microwave photonics, microwave superconductivity, measurement techniques

E. Emerging Technologies

RF MEMS, active antennas, photonic bandgap and artificial metamaterials, software defined radio, wireless LAN/Bluetooth, and wireless power transfer

Authors have two options for paper publication: **Published paper** (2-6 pages) or **Non-published paper** (1 page (or more) abstract). Published papers will go through review process by Technical Program Committee.

All papers have to be submitted in electronic PDF form. No hardcopy will be accepted. Authors are strongly encouraged to use a template file available at the website when preparing their paper. No-show papers are regarded as withdrawn and removed from the proceeding of TJMW2018.

YOUNG ENGINEERS PROGRAM

Young authors (typically 33 or less) are solicited to register their paper as a Young Engineers' Session (YES) paper upon your paper submission. The YES paper is invited to be presented both at a short presentation session and an interactive forum to obtain intensive technical feedbacks from high quality specialists in the field.

REGISTRATION

All speakers and participants are requested to register in advance from the TJMW2018 website <http://www.ieice.org/~mw/TJMW2018/>.