

# TJMW2020

## 2020 Thailand-Japan MicroWave

1<sup>st</sup> Call for Papers



Chulalongkorn University (CU)

Bangkok, Thailand

May 13-15, 2020

<http://www.ieice.org/~mw/TJMW2020/>

### IMPORTANT DATES

Paper submission website open: January 14, 2020

**“Non-published papers” submission deadline: February 21, 2020**

**(TJMW2020 will not solicit “Published papers”).**

Registration website open: March 23, 2020

TJMW2020: May 13-15, 2020



TJMW2020 is sponsored by IEICE Technical Committee on Microwaves and is jointly hosted by Chulalongkorn University (CU). 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.



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# TUTORIALS & TECHNICAL SESSIONS

TJMW2020 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 May 14-15. Tutorials will take place on May 13.

## STUDENT DESIGN COMPETITION

All the students are welcomed to participate in the Student Design Competition, which will take place on May 13. A student or a team (up to 3 students) will bring or fabricate on site, and measure a prototype microwave circuit that are designed and manufactured. The best measurement performances will be awarded at the end of the competition. Detail guideline will be announced 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 to submit 1 page or more abstract (**Non-published papers**) by **Feb. 21st, 2020**. (TJMW2020 will not solicit **Published papers**.) Oral sessions and YES sessions will be organized.

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 TJMW2020.

## 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 TJMW2020 website <http://www.ieice.org/~mw/TJMW2020/>.