OBJECTIVE

ISAP2020 is intended to provide an international forum for the exchange of information on the progress of research and development in antennas, propagation, electromagnetic-wave theory, and related fields as shown in the SCOPE. It is also an important objective of this meeting to promote mutual interaction among participants.

SCOPE

This symposium will treat a wide range of subjects on antennas, propagation and electromagnetic-wave theory as suggested below. Papers concerned with other aspects of these subjects will also be considered. In addition, special topics treating emerging technologies heralding a new era in wireless communications and applications are invited for consideration.

A. Antennas

A1. Small Antennas and RF Sensors
A2. Antennas for Mobile and V2X Applications
A3. Broadband and Multi-band Antennas
A4. Active, Adaptive, On-Chip and Smart Antennas
A5. Tunable and Reconfigurable Antennas
A6. Planar/Printed Antennas and Arrays
A7. Antenna Theory and Design
A8. Antenna Measurements
A9. Millimeter-wave, Terahertz and Optical Antennas
A10. Metamaterials and Metasurfaces for Antennas

B. Propagation

B1. Indoor and Mobile Propagation
B2. Millimeter-wave, THz and Optical Propagation
B3. Propagation for V2X and IoT
B4. Channel Sounding and Channel Estimation
B5. Radar, DOA, localization and Sensing
B6. Remote Sensing
B7. Terrestrial, Earth-Space and Ionospheric Propagation
B8. Propagation Fundamentals
B9. Propagation Measurement Techniques

C. Electromagnetic-wave Theory

C1. Computational Electromagnetics
C2. Time-Domain Techniques
C3. Scattering, Diffraction and RCS
C4. Inverse and Imaging Techniques
C5. Optimization Methods in EM Problems
C6. Passive and Active Components
C7. Frequency Selective Surfaces and Filters
C8. EBG, Metamaterials and Periodic Structures
C9. Multiscale and Multiphysics Techniques

D. AP-related Topics

D1. Antenna Systems for Mobile Communications
D2. MIMO and Array Signal Processing
D3. AP Related Topics for 5G and Beyond
D4. Wireless Power Transfer Technologies
D5. Wearable Device Networks and Medical Applications
D6. OAM and Near Field Communications
D7. RFID and its Applications
D8. EMC/EMI Technologies

IMPORTANT DATES

Deadline for paper submission: April 24, 2020
Notification of accepted papers: June 26, 2020
Deadline for early registration: August 31, 2020
PREPARATION OF PAPERS

Original papers are solicited that have not been presented previously and that describe new contributions in the area suggested in the SCOPE. Each author is requested to prepare a 2-page camera-ready paper in 2-column format written in English, including all text, references, figures and photographs. The authors are requested to refer to the ISAP2020 Web page (http://www.isap2020.org/) for the detailed paper preparation instructions and the IEICE Copyright Transfer Form.

SUBMISSION OF PAPERS

Authors are requested to send their papers in IEEE Xplore-compliant PDF format electronically. Presented papers of ISAP2020 are planned to be included in ISAP Archives and IEEE Xplore.

WORKSHOP

Several workshops are scheduled to be held on October 26 (Monday), 2020.

AWARDS

Several outstanding papers will be awarded for ISAP2020 Paper Awards. ISAP2020 also hosts Student Paper Awards in order to foster activities of students toward highly qualified researchers.

STUDENT DESIGN CONTEST

Student Design Contest (SDC) will be held for the first time in the history of ISAPs during the ISAP2020. The aim of ISAP SDC is to promote student innovation and creative activities in antennas, propagation, and the related research fields. The following three contest categories are prepared: A. Antenna Design, B. Localization of RF Sources, and C. EM Analysis and Observation Competition. Excellent designs will be awarded at the buffet party of the ISAP2020 and will receive cash awards! Detailed information will be announced at the ISAP2020 SDC Web page: http://www.isap2020.org/sdc.html

SPECIAL SECTION ON IEICE TRANS.

The Special Section on ISAP2020 will be planned in the IEICE Transactions on Communications.

ISAP ARCHIVES

ISAP Archives currently opens as a trial service. You can search and read the conference papers from the ISAP1971 to 2016 at the ISAP Archives Web page: http://www.ieice.org/cs/isap/ISAP_Archives/index.html

EXHIBITION

Spaces for demonstration of software, books and products are also available with charge.

WIE (WOMEN IN ENGINEERING)

It is our pleasure to inform that ISAP2020 will launch WIE. WIE is providing opportunities to make global networks and collaboration for ALL ISAP2020 PARTICIPANTS through special sessions and luncheon events. The detailed information of ISAP2020 WIE will announce in the next CFP and Web site. Our understanding and cooperation will develop AP technologies and community!

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Further information can be found on the Website ► ISAP2020 Web Page : http://www.isap2020.org