



# The 2021 International Telecommunications Conference (ITC-Egypt'2021)

July 13 - 15, 2021, Air Defense College, Alexandria, Egypt  
<https://itc2021-adc.org>

## CALL FOR PAPERS

The 2021 International Telecommunications Conference (ITC-Egypt'2021) is jointly organized by the Air Defense College (ADC) and the Faculty of Engineering, Alexandria University. The conference is technically supported by the IEEE Alexandria Subsection. It is scheduled to be held in 13-15 July 2021, Air Defense College (ADC), Alexandria, Egypt, in a hybrid format in light of global mass COVID-19 vaccination campaigns. The conference program will include invited sessions on selected topics and in addition to contributed sessions. The technical sessions and invited talks are expected to provide a comprehensive coverage of the recent advances in telecommunications related area. The submitted papers must describe original work and be within the scope of conference. A limited number of invited papers will also be included in the program. Accepted papers will be considered for inclusion by IEEE Xplore.

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## IMPORTANT DATES

Deadline for submission of papers: **15 April 2021**

Notification of acceptance: **20 May 2021**

Deadline for final paper submissions: **31 May 2021**

Registration Deadline: **1 June 2021**



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## CONFERENCE TOPICS

The conference topics as follows, but not limited to:

### Fields and Waves

- T01: Antennas, arrays, and circuits.
- T02: Computational and Numerical Techniques.
- T03: Propagation, Scattering and Remote Sensing.
- T04: Antenna Applications and Emerging Technologies.
- T05: Electromagnetic Environment and Interference.
- T06: Electromagnetics and Materials.
- T07: Hazards of Electromagnetic.

### Wireless Communications Engineering and Technology

- T15: Space-Time Coding, MIMO and Adaptive Antennas.
- T16: Modulation, Coding and Diversity.
- T17: B3G/4G Systems, WiMAX, WLAN and WPAN.
- T18: Optical/Satellite & Space Communications.
- T19: Signal Processing for Wireless Communications.
- T20: RFID/Emerging Wireless/Mobile Applications.
- T21: Cognitive Radio and Software Defined Radio.

### Radar Systems and Applications

- T29: Beam-Forming, MIMO and Exploiting Diversity.
- T30: Tracking, Localization and Classification.
- T31: Robust Detection and Information Extraction.
- T32: Radar Technology and Systems.
- T33: Multi-Sensor Architectures and Systems.
- T34: Innovative Radar Concepts.
- T35: Electronic Surveillance, Defence and Attack.

- T43: RF and Microwave Integrated Circuits.
- T44: Mm-Wave and Submm-Wave Integrated Circuits.
- T45: Integrated Receivers, Transmitters and Transceivers.
- T46: AI and Deep Learning in Telecommunication.
- T47: Design methodology for RF and Microwave ICs.

### Communication Technologies

- T08: Wireless Networks.
- T09: MIMO Systems.
- T10: Mm-wave Technologies for 5G.
- T11: Wireless Security.
- T12: Telecommunication Networks.
- T13: IOT/Edge and Cloud Computing.
- T14: Computational Methods, Algorithms & Applications.

### Electronics Technologies

- T22: New Materials Technologies and Applications.
- T23: MEMS & Sensor Technologies.
- T24: Wearable, Flexible, and Stretchable Electronics.
- T25: Embedded Systems and VLSI.
- T26: Advance Robotics Systems.
- T27: Mechatronics Engineering Applications.
- T28: Reconfigurable Computing.

### Power Management and Control

- T36: Power System Management Technologies.
- T37: Power System Monitoring and Mitigation.
- T38: Integrated Substation Automation Technologies.
- T39: Monitoring and Fault Diagnosis System.
- T40: Control Strategies for Modern Power System Stability.
- T41: Power System Analysis and Optimization.
- T42: Renewable Energy and Applications.

### Applications and New Trends

- T48: Microwave Photonics Integrated Circuits.
- T49: Electromagnetic Pulse.
- T50: Acoustics and Applications.
- T51: Power Amplifier Integrated Circuits.
- T52: Other Related Areas.

## PAPER SUBMISSION

Authors are invited to submit contributions for review and possible presentation at this conference on the topics of interest, including advancements and innovations. Submissions must be in standard IEEE two-column format, and must be four pages in length. Only accepted and presented submissions that are in the IEEE format will be considered for inclusion in IEEE Xplore. All accepted and registered submissions will appear in the proceedings distributed at the conference. The detailed instructions including due dates, formats and templates, are available on the conference website on **February 20, 2021**.

## PROJECT POSTERS

All undergraduate engineering students are invited to submit a one-page proposal to the ITC-Egypt'2021 and demonstrate their engineering skill, talent and capability of defending their innovative ideas through posters and seminars. Project posters are intended to cover all areas of interest as listed in the conference topics. The participating students could attend all the conference activities, free of charge. Monetary prizes will be awarded in various categories. The detailed instructions including due dates, formats and templates, are available on the conference website on **February 20, 2021**.

## EXHIBITS AND SPONSORSHIPS

Industrial, academic, and book exhibits will be open during the conference. Sponsorships in various forms are also highly appreciated. Exhibits and sponsorships information can be found on the conference website.