

The 2022 International Telecommunications Conference, ITC-Egypt'2022



July 26 - 28, 2022, Air Defense College, Alexandria, Egypt, <https://itc2022-adc.org>

ITC-Egypt'2022 Honorary Chair

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**1st Call
For Paper**

Conference Topics

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.

Applications and New Trends

- 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.

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, Acoustics & 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.

- T47: Design methodology for RF and Microwave ICs.
- T48: Microwave Photonics Integrated Circuits.
- T49: Electromagnetic Pulse.
- T50: Other Related Areas.

The 2022 International Science and Engineering Innovations Competition, ISEIC'2022

March 23 - 24, 2022, Air Defense College, Alexandria, Egypt

<https://iseic-adc.org>

Challenge Areas

- 3D printing.
- Artificial satellites.
- Aviation.
- Computer programming.
- Computing.
- Control systems.
- Communication / Encryption / coding.
- Fibre optic communication networks.
- Electronic semiconductivity.
- Integrated electronic circuitry.
- Internet and IOT.
- Lasers and LEDs.
- Microprocessor.
- Nanotechnology.
- Navigational instruments.
- Power transmission and distribution.
- Radar.
- Robotics.
- Satellite navigation.
- Solar / wind / renewable energy.
- Sound detection/sonar.
- Space exploration.
- Space transportation.
- Transistor technologies.
- Wearable technology.
- Navigation and guidance.
- Wireless communications / networks.
- Artificial intelligence.

About The ISEIC'2022

This competition aims to interest, excite and enable students to understand and experience how engineering plays a part in scientific and engineering innovation. This is an annual event that provides an opportunity for Innovation for students from Secondary Schools and Colleges to work with professional engineering and business mentors to design or invent a product to demo.

The competition will culminate in a Project Displays, Final Judging and Awards Presentation at the Air Defense Engineers Day in Alexandria, Egypt. The competition will take the format of multiple categories and levels. The latest updates for the competition details of the all the activities can be found at the competition website.