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

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

Jointly Organized by
The Air Defense College and The Faculty of Engineering, Alexandria University

ALEXANDRIA UNIVERSITY
كلية الهندسة
Faculty of Engineering

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 COVD-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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Dr. Youssef I. Fayad, ADC, Alexandria

Dr. Mostafa Mostafa, ADC, Alexandria

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

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.

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.

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.

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.

Radar Sytems 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.

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

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.
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.

◆ EXHIBITION & SPONSORSHIP

Dear Valued Exhibitors and Sponsors,

Air Defense College (ADC) is proud to organize the **2021 International Telecommunications Conference (ITC-Egypt'2021)** jointly with the Faculty of Engineering, Alexandria University which will take place at the Air Defense College (ADC), Alexandria, Egypt from **13 to 15 July 2021**. It is expected to attract many delegates worldwide attend the grand event.

The ITC-Egypt'2021 will offer a rich scientific program of the highest quality with invited speakers from all over the world and provide a broad forum of knowledge exchange for both academia and industry. The 3-day conference program includes keynote speeches by distinguished speakers from industry, academia and government sectors, panels and forums, technical sessions featuring peer-reviewed technical papers, project posters, exhibitions, and a relaxing and entertaining banquet. The conference will cover all aspects of telecommunications and its related areas.

The ITC-Egypt'2021 will provide an excellent opportunity for your company to showcase the latest hardware, software, technologies, concepts, products, services, and solutions to a large audience as well as the next generation of engineers and researchers. Multiple levels of patronage and opportunities are designed to cater for the diversified needs.

We would like to invite you to participate as **a sponsor/exhibitor at ITC-Egypt'2021**. The event promises to provide you with one of the best opportunities to publicize and promote your company with excellent exposure and maximized access to a wide group of international engineers, researchers, investors, manufacturers, vendors and distributors working in the sectors of wireless communication, antenna, radar, electronics, electromagnetics, microwave and mm-wave technologies, power management, and applications in telecommunications etc.

As the exhibition area is limited, participation in the exhibition will be based on a first come first served basis. Interested organizations are requested to fill-in the included registration form (Register as Exhibition) of ITC-Egypt'2021 conference. Please visit the conference website at **https://itc2021-adc.org**.

We look forward to hearing from you, and seeing you at ITC-Egypt'2021 in Air Defense College (ADC), Alexandria, Egypt!

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CALL FOR PROJECT POSTERS

Dear Undergraduate Engineering Students,

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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:
  · Best Undergraduate Research Poster (5000 EGP).
  · Best Undergraduate Creative Design Poster (5000 EGP).
  · Best Undergraduate Display (5000 EGP).

Students will present a THREE minute overview of their project Judges will have THREE minutes to ask questions Poster Presentations will be judged on the basis of content and effective communication. Displays will be judged on the basis of aesthetics and effective communication.

FORMATTING POSTER

· Posters should not exceed 36" tall x 48" wide
· When laying out your poster, leave a minimum of ½" white border along all four edges
· Posters should not include large masses of dark colors
· Students are responsible for preparing a poster with sufficient graphic quality and image quality to meet their expectations
· Students are responsible for proofreading their posters prior to submitting it.
· Students must provide a PDF file of the poster at full scale.

Interested undergraduate engineering students are requested to fill-in the included registration form (Register as Student) of ITC-Egypt'2021 conference. Please visit the conference website at **https://itc2021-adc.org**.

IMPORTANT DATES

● Deadline for submission of a one-page proposal:
15 May 2021

● Notification of Selection:
25 May 2021

● Deadline for PDF final poster submissions:
31 May 2021

● Registration Deadline:
1 June 2021

PROPOSAL CONTENT

· Poster title
· Poster author information
· Short poster abstract (250 words maximum)
· Topic area (as listed in the conference call for papers)
· One to five keywords
· As a guideline for the content, the following information is considered to be relevant:
    * Runtime of the project
    * Participating partners
    * Pursued approach and methodology
    * Current status of the project
    * Excerpt of intermediate/Preliminary results
· References and acknowledgements can also be included if there is space.