

**FREE**  
REGISTRATION



# THE 5<sup>th</sup> INTERNATIONAL UNDER-GRADUATE RESEARCH CONFERENCE

9 - 12 August, 2021

Cairo EGYPT

## IUGRC 2021

INNOVATION HAS HISTORY

# CALL FOR PAPERS

### About

In order to motivate the spirit of innovation and scientific research among the engineering students, the Ministry of Defense invites undergraduate students from engineering faculties/schools all over the world to demonstrate their skills, talent and innovated ideas in engineering sciences. The IUGRC activities are intended to be forum that facilitate and promote communication and cooperation among participants. Participating in this event will help you expand your knowledge, network, discuss challenges, and share ideas during technical sessions and networking breaks.

### VIRTUAL CONFERENCE



The safety and well-being of all conference participants is our priority. In this context the conference will now be held virtually through WEBEX.

### Important Dates

Abstract submission	May 31, 2021
Submission of manuscript	July 20, 2021
Opening session	Aug 9, 2021

### Conference Tracks

- ME** Mechanical Engineering
- EEE** Electrical & Electronics Engineering
- CAE** Civil & Architecture Engineering
- CEE** Chemistry & Environmental Engineering

English is the official conference language

### Sponsor

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# Conference Tracks

## TRACK 1

### ME

## Mechanical Engineering

- Mechanical Power Engineering
- Robotic, Automation and Control
- Dynamics and Vibration
- Material Science and Processing
- Production Technology
- Solid Mechanics
- Mechanical Design
- Automotive Engineering
- Mechatronics
- Ballistics
- Acoustics and Noise Control

## TRACK 2

### EEE

## Electrical & Electronics Engineering

- Communication Systems
- Artificial Intelligence
- Computer Science and Engineering.
- Automation and Control Engineering
- Signal and Image Processing
- Guidance & Navigation Systems
- Radar Systems & Remote Sensing
- Biomedical Engineering
- Circuits and Systems and VLSI Design
- RF and wireless systems
- Electrical Machines and Power Electronics

## TRACK 3

### CAE

## Civil & Architecture Engineering

- Concrete Structures
- Geotechnical Engineering
- Material Quality and Control
- Metallic Structures
- Project Management
- Sanitary Engineering
- Structural Analysis and Design
- Surveying and Photogrammetry
- Transportation Engineering
- Water Resources Engineering
- Architectural Engineering
- Building Technology
- Environmental Engineering
- Urban Planning

## TRACK 4

### CEE

## Chemistry & Environmental Engineering

- Kinetics & Catalysis
- Transport Phenomena & Thermodynamics
- Electrochemical Engineering & Corrosion
- Chemical and Ceramic Technology
- Chemical Detection and Analysis
- Polymeric Materials
- Nanotechnology and Chemical applications
- Pollution and Environmental Protection
- Energetic Material Technology
- NBC Protection

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