



# The **9<sup>th</sup>** Annual Ain Shams University International Conference

## **4G** Universities Between Reality and Aspiration 6<sup>th</sup> – 8<sup>th</sup> April 2021



### Engineering Technological Science Sector Hall "B"



**Prof. Mahmoud El Metcini**

President of the Conference  
President of Ain Shams of University

**Prof. Mohamed Ayman Saleh**

Vice President & Executive Head  
of the Conference  
Vice President of Ain Shams University  
for Graduate Studies & Research

**Prof. Abdelfattah Saoud**

Vice President of the Conference  
Vice President of Ain Shams University  
for Students Affairs

**Prof. Hisham Kamel Abdel Latif Timraz**

Vice President of the Conference  
Vice President of Ain Shams University  
for Community & Environment Affairs

**Coordinator  
of the Sector**

**Prof. Rasha Ismail**

Vice Dean Faculty of Computer & Information Science



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### Engineering Technological Science Sector Hall "B"



Wednesday 7<sup>th</sup> April 2021

11:30 am – 01:30 pm

#### Session 1 | Environmental Engineering

Chairpersons: Daa Khalil  
Noha Donia

Quality of Life

Adel Yassin 20 min

Engineering Philosophy, the Missing Field in Engineering Education

Mohsen Tawfik 20 min

Green and Sustainable Universities

Noha Donia 20 min

Interdisciplinary Tracks in Postgraduate Studies at Faculty of Engineering, ASU

Walid El-Khattam 20 min

ASU Center of Excellence for Water - Challenges & opportunities

Hoda Soussa 20 min

Each talk is followed by 5 minutes discussion



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### Engineering Technological Science Sector Hall "B"



Wednesday 7<sup>th</sup> April 2021

15:30 pm – 17:30 pm

Session 2 | *Fourth industrial revolution and universities*

**Chairpersons:** Nagwa Badr  
Rasha Ismail  
Tamer Mostafa

Production Machine Learning Pipelines on Cloud

**Abdullah Gamal** 25 min

Smart Power Grid

**Mohamed Mahmoud** 25 min

Advanced Technologies in Education

**Hatim Zaghloul** 25 min

Each talk is followed by 5 minutes discussion



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### Engineering Technological Science Sector Hall "B"



Thursday 8<sup>th</sup> April 2021

11:30 am – 01:30 pm

Session 3 | *Innovation and Entrepreneurship*



Chairpersons: **Maged Ghoneima**

From Lab to Market: Bringing Research to Commercialization

**Maged Ghoneima** 20 min

The Theory and Practice of Abrasive Water Jet Cutting Technology

**Mohamed Abdel Mohsen Mahdy** 20 min

MDF Boards from Pruning of Date Palms Products

**Hamed Ibrahim Hussein El-Mously** 20 min

Software Engineering Products for Machine Learning

**Bassem Amin Abdullah** 20 min

MATGR Electric Golf Car: Standard and Autonomous Versions

**Mohamed Ahmed I. Abdel Aziz** 20 min

Each talk is followed by 5 minutes Q&A



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### Engineering Technological Science Sector Hall "B"



Thursday 8<sup>th</sup> April 2021

15:30 pm – 17:30 pm

**Session 4** | *Applications for Fourth Generation Universities.*

Chairpersons: **Rasha Ismail**  
**Hala Mousher**

Towards Next-Gen AI systems, from algorithms to nanodevices.

**Mohamed M. Sabry Aly** 25 min

Artificial Intelligence Paradigms in Smart Healthcare and Medical Systems

**Abdel badeeh Salem** 25 min

Robotics Applications

**Mohamed Marey** 25 min

Excellent in Engineering Education

**Adel B. El Shabasy** 25 min

Each talk is followed by 5 minutes discussion



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