



Ministry of Defense
Military Technical College

Sessions /Workshops/ Invited Talks scheduled for the 11th International Scientific Conference
MAR 29 - 31, 2022, Cairo, Egypt.

Time		10:00 am -12:00 pm	12:00 pm- 13:30 pm	13:45 pm - 5:15 pm
Date	PLACE	Title /Link	Title /Link/Conference	Title /Link/Conference
Tuesday 29 March 2022	A12	<u>Opening the Conference</u> ❖ Commandant of the MTC ❖ Conference General Rapporteur ❖ Opening Lecture	Building Technology (ICCAE)	Transportation, Water Resources & Geo-Technical (ICCAE)
	A11		Metallic Structures & Project Management (ICCAE)	Concrete Structures (ICCAE)
	A10		Automotive Engineering (AMME)	Dynamics and Vibration (AMME)
	A9		Engineering Mathematics-I (ICMEP)	Engineering Mathematics-II (ICMEP)
	A8		Chemical & Radiation Detection and Analysis-I (ICEE)	Chemical & Radiation Detection and Analysis-II (ICEE)
	Maj. Gen. Medhat Moustfa		Nano-technology and Nano-engineering for Chemical Engineers. The Multidisciplinary New Challenge* (ICEE)	
	A7		Control Systems and Automation-I (ICEENG)	Aerospace Navigation Engineering-II (ICEENG)

- * Workshops, Invited Talks - **ICCAE** (14th International Conference of Civil and Architecture Engineering)
- AMME (20th International Conference on Applied Mechanics and Mechanical Engineering)
- **ICMEP** (11th International conference on Mathematics and Engineering physics)
- **ICEE** (11th International conference on Chemical and Environmental Engineering)
- **ICEENG** (13th International conference on Electrical Engineering)



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Date	Place	Title /Link/Conference	Title /Link/Conference	Title /Link/Conference	Title /Link/Conference
Wednesday 30 March 2022	A12	Urban Planning (ICCAE)	Architecture Engineering II (ICCAE)	Architecture Engineering IV (ICCAE)	Environmental Engineering I (ICCAE)
	A11	Architecture Engineering I (ICCAE)	Architecture Engineering III (ICCAE)		
	A10	Mechanical Design / Mechatronics (AMME)	Material Science and Processing I (AMME)	Ballistics (AMME)	Material Science and Processing II (AMME)
	Maj. Gen. Ibrahim Abd Elnaby	Manufacture of armored steel* (AMME)	New Trends of Swarm Robotics* (AMME)	Advances in sheet metal forming technologies* (AMME)	
	A9	Engineering Physics I (ICMEP)	Engineering Physics II (ICMEP)		
	A14	Nuclear Security and Peaceful Use * (ICMEP)	Advanced Topics In Laser and Quantum Physics Applications * (ICMEP)		
	A8	Industrial Chemical Engineering (ICEE)	Nanotechnology and Chemical Applications-I (ICEE)	Nanotechnology and Chemical Applications II (ICEE)	Energetic Materials Technology I (ICEE)
	Maj. Gen. Medhat Moustfa	Nuclear Energy is Safe, Economical, Sustainable, and Friend to Environment* (ICEE)	Nanobiotic Formulations as Promising Advances for Combating Multidrug-Resistant Pathogenic Microbes* (ICEE)	Role of geological methods and techniques in solving construction engineering problems* (ICCAE)	Behavior of substructure and superstructure Subjected to Blast Loads by using ABAQUS* (ICCAE)
	A7	Power and Energy (ICEENG)	Control Systems and Automation II (ICEENG)	Computer Engineering and Artificial Intelligence I (ICEENG)	Communications and Networks (ICEENG)
	Maj. Gen. Abd Elhamed Shawkky	Polarization Imaging in Computer Vision* (ICEENG)	Developing Entrepreneurial Talents for Aerospace of the Future* (ICEENG)	Japan Society for the Promotion of Science (JSPS) : Functions, Structures and Strategies* (ICEENG)	Anticipatory Radio Resource Management for 5G Networks and Beyond* (ICEENG)

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Thursday 31 March 2022	A12	Environmental Engineering II (ICCAE)		Environmental Engineering III (ICCAE)		Environmental Engineering IV (ICCAE)		
	A10	Mechanical Power Engineering I (AMME)		Mechanical Power Engineering II (AMME)				
	Maj. Gen. Ibrahem Abd Elnaby	The 5th Generation of Egyptian Sustainable Cities* (ICCAE)		Towards Egypt Vision 2030* (ICCAE)				
	A9	Renewable Energy and Sustainability (ICEE)		Chemical Reaction Engineering I (ICEE)		Chemical Reaction Engineering II (ICEE)		
	A8	Energetic Materials Technology II (ICEE)		Pollution and Environmental Protection I (ICEE)		Pollution and Environmental Protection II (ICEE)		Pollution and Environmental Protection III (ICEE)
	Maj. Gen. Medhat Moustfa	Recycling of some solid wastes to produce silica anchored on graphene oxide as sorbent material for uranium ions* (ICEE)		Applications of nanotechnology and water pollution treatment* (ICEE)		A Conceptual Model for ZLD of Brackish Water RO Desalination* (ICEE)		Beneficiation and extraction of beryllium Ores to obtain the end BERYLLIUM products IN NUCLEAR GRADE* (ICEE)
	A7	Aerospace Navigation Engineering II (ICEENG)		Computer Engineering and Artificial Intelligence II (ICEENG)		Image Processing (ICEENG)		
	Maj. Gen. Abd Elhamed Shawky	IoT Hardware Security: Using Physically Unclonable Functions (PUFs) for Authentication and Secure Key Exchange* (ICEENG)		A Journey in Design, Synthesis and Development of Novel Anticancer and Antimalarial Agents* (ICEENG)				

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