



Second International Conference on Nanotechnology: Theory and Applications Cairo, 19 – 21 December 2022

Hybrid participation: In-person + Virtual

OBJECTIVES:

Nanotechnology has emerged as one of the most promising new developments that is revolutionizing the way human challenges can be met, for sustainable development. This compels us to create an international caliber periodic event, where researchers across all continents could meet, discuss and discover what other colleagues are developing. Exchanging ideas about nanotechnology potentials and challenges with industrials and decision makers is another objective. Conference also aims at creating solid and long-lasting ties between researchers from both developed and developing countries, through exchange of visiting professors and PhD students.

TOPICS

• Nanomedicine

Lab-on-chip, Organ-on-chip, Drug delivery, Drug discovery, Molecular dynamics, Tissue engineering, BioMEMS, Genetics, Proteomics, ...

• Nano for energy

Solar cells, Direct energy conversion, Energy storage, Biofuel, Fuel cells, Energy harvesting, Solar cells, Hydrogen energy, ...

• Nano for Water, food & environment

Desalination, Water treatment, Pollution control, Nanotoxicity, Food packaging, Precision agricultural, Nanopesticides and Nanofertilizers, ...

• Nano electronics

Nano electronics and Nanophotonic devices, MEMS/NEMS, optoelectronics and Quantum devices, Plasmonic and nano lasers (Spasers), Quantum based Photovoltaic, ...

• Fundamentals of nanotechnology

Physical, chemical and biological synthesis, Characterization, Nanoparticles, Nanowires, Nanofilms, Nanocomposites, Graphene, Fullerene, Metal organic framework, ...

• Nano for Industry

Smart materials, Composite materials, Materials with enhanced mechanical properties, Large scale production of nanomaterials, Applications in: Building industry, Petroleum industry, Restauration of monuments, ...



JP Sauvage
Nobel
Laureate



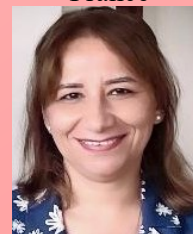
S. Mousa
V.P. PRI
USA



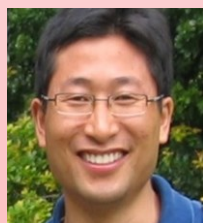
V. Dubrovski
U St Petersburg
Russia



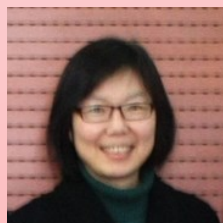
T. Bourouina
V.P. U. G. Eiffel
France



A. Kasry
UNESCO



Weihua Tang
Xiamen U, China



Hailei Zhao
Beijing U, China



M Bechelany
Montpellier U,
France

Organized by



Mansoura U.



Ain Shams U.



EiTESAL Assoc.

More distinguished
speakers expected

Data from previous conference

Contributions by origin: 15 Invited international talks, 35 international, 60 Egyptian

Contributing countries: From North America, Europe, Asia, Africa and Arab World)

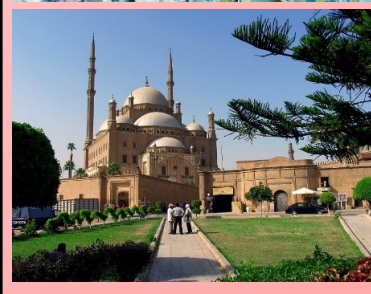
Egyptian contributions: 16 public univ. 11 private univ. and 8 research centers

Scientific Committee

Nageh Allam	AUC	Egypt	Ahmed Abu Kandil	NIST	Egypt	M. Rashad	CMRDI	Egypt
Samar El Ashy	Alex U	Egypt	Maged El Kemary	K. El Sheikh U	Egypt	Hanady Salem	AUC	Egypt
Mikhael Bechelany	Montpellier U	France	Diaa Khalil	ASU	Egypt	Sherif Sedky	Zewail U	Egypt
Tarik Bourouina	G. Eiffel U	France	Mervat Khalil	HBRC	Egypt	Ali Shakouri	Purdue U	USA
Stephane Collin	Toulouse U	France	Mohamed Khedr	B Sufeif U	Egypt	Samy El Shall	Viginia U	USA
V. Dubrovskii	SPBU	Russia	Magda El Massik	Alex U	Egypt	Tamer Sharara	EPRI	Egypt
Wael Fikry	ASU	Egypt	Mohey El Mazar	BUE	Egypt	A, El Shazly	EJUST	Egypt
M. Abdel Gawad	Assiut U	Egypt	A. Abdel Moneim	EJUST	Egypt	Tamer Sharaf	ASU	Egypt
M. Gepreel	EJUST	Egypt	Shaker Mousa	PRI	USA	I. El Shirbiny	Zewail U	Egypt
Saad Hassan	ASU	Egypt	Bonex Mwakikunga	CSIR	S. Africa	Weihoa Tang	XMU	China
Saber Ibrahim	NRC	Egypt	Affaf El Oufy	Alex U	Egypt	Hailei Zhao	Beijing U	China
Yehia Ismail	AUC	Egypt	F. Abdel Rahman	Azhar	Egypt			

Why you should visit Egypt in 2022

according to Forbes.com



Deadlines

Extended abstracts for conference

Full paper for open access journal

Submit extended abstract	17 July 2022	Start receiving full paper	30 Aug 22
Abstract notification	7 Aug 2022	Submission deadline	28 Feb 23
Final abstract version	21 Aug 2022	Full paper notification	5 April 23
		Full paper final version	30 April 23

[Extended abstracts template – click here](#)

A selection of **full papers** will be published in special issues of:

- Open access Elsevier Journal: "Ain Shams Eng. Journal"** ([see call here](#)). Journal ranking according to **Clarivate WoS**: IF=3.18; Rank by IF: **27/90 (Q2)**; Rank by JCI: **28/170 (Q1)**
- Open access Journal: "Mansoura Eng. Journal"** (call will soon be available) [click here for Journal page on EKB](#)
- Special issues in other journals to cover all conference disciplines will soon be announced.

➤ **Special publication fees will apply for conference attendees.**

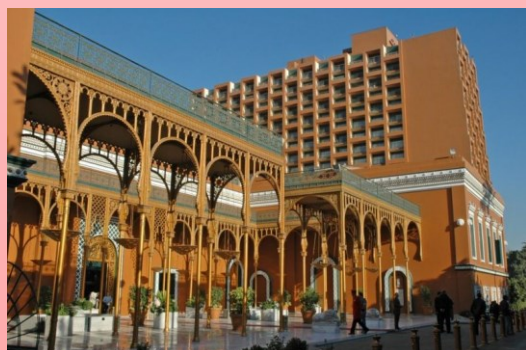
Conference Fees Table (outside publication fees)	Attend +presentation	Attend only	Online +presentation	Online only
Non-Resident (in USD)	500	400	200	100
Resident in Egypt (in EGP)	2,000	1,600	800	400

➤ **Early bird** (Until 21st Aug 2022): **Deduce 20%** of above table

➤ **Student** (Postgrad & < 35 years): **Deduce 50%** of above table

Deductions are non-cumulative. Fees increase by 10% after 1 Dec 2022

To see what is included in fees and **Registration & Payment procedure:** [click here](#)



The conference will be held in **Mariott, Zamalek (5*)** At the heart of Cairo, in its central island at Zamalek, near the traditional Egyptian Museum, this hotel was built by Ismail Pasha, 1869 to accommodate international monarchs (Empress Eugenie) for the inauguration of Suez Canal. Today it combines the charm of history, a beautiful Nile view, and the luxury of modern hotels.

Special conference rates + affordable nearby hotels:

[Click here](#)

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