

1st International Conference on **Nanotechnology:**

Theory and Applications



ENNN Contacts : ☎ 01223169956

EiTESAL Contacts : 🌐 WWW.eitesal.org ☎ +20 (2) 2418 7779 ✉ info@eitesal.org



Under the auspices of:
Ministry of Communications and Information
Technology (MCIT), Egypt

Dr. Amr Talaat



His Excellency the Minister of Higher Education
and Scientific Research

Dr. Khaled Abdel Ghaffar



President of the ASRT : **Prof. Mahmoud Sakr**

Objectives and Topics

- Nanomaterials combined with nanodevices (mainly nanoelectronics) produce wonderful applications including nanomedicine, renewable energy, smart materials, nanorobots
- This motivated the organization of an international caliber periodic event, where researchers across all continents could meet and jointly explore the latest R&D in nanoscience and nanotechnology.
- The co-organization of the conference by EITESAL, which is a non-profit entity of ICTE companies operating in Egypt, aims at creating a link between research and industry.
- NTA Conference also aims at creating solid and long-lasting ties between researchers from both developed and developing countries, through exchange of professors and PhD students.

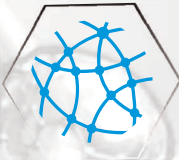
Main tracks



Nanomedicine: Lab-on-chip, Drug delivery, Drug discovery - molecular dynamics, Tissue engineering, bioMEMS



Nano for Energy: Solar cells, Direct energy conversion, Energy storage, Biofuel, Fuel cells

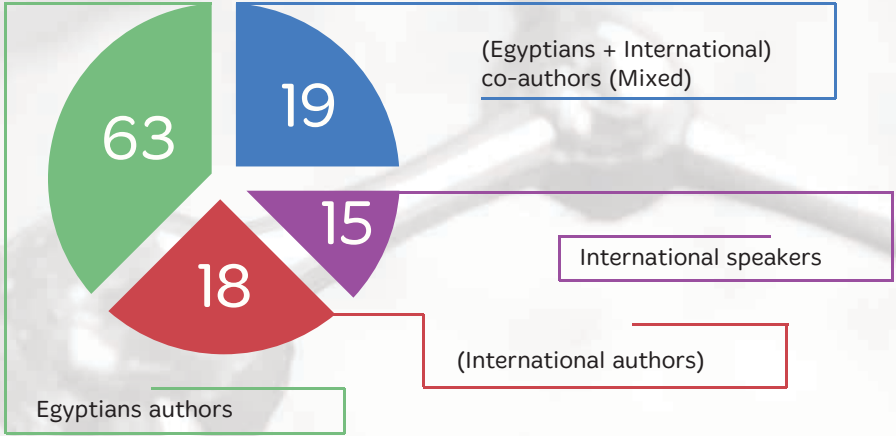


Nano for Industry: Nano electronics, MEMS/NEMS, optoelectronics, Smart nanomaterials, Large scale production of nanomaterials, High Performance Applications



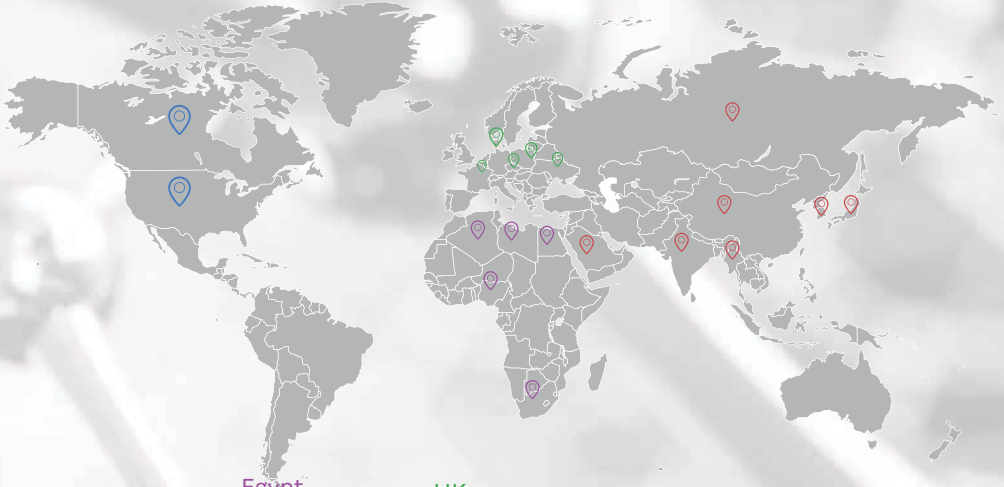
Water food & Environment: Desalination, water treatment, pollution control, nanotoxicity, food packaging, agricultural applications

Participants breakdown



Si-VISION
INNOVATIVE IC SOLUTIONS

International countries having contributions to the Conference



USA
Canada

Egypt
Lybia
South Africa
Algeria
Nigeria

UK
France
Czech Republic
Sweden
Spain

China
Japan
Saudi Arabia
Singapore

India
South Korea
Russia



Si-WARE
SYSTEMS

Organizing Committees

Chaired by:



Prof. Mohamed-Nabil Sabry, Conference Chairman
Mansoura U, Egypt
Coordinator of ENNN



Dr. Hazem El-Tahawy, Conference Co-Chairman
Chairman of EITESAL
President of Mentor Graphics Egypt



Prof. Shaker Mousa, Conference Co-Chairman
Vice Provost for Research at Albany College of
Pharmacy NY, USA

Executive Committee



Prof. M. Rashad
CMRDI



Prof. A. Mostafa
NRC



Prof. E. Kenawy
Tanta U



Prof. H. Salem
AUC

Scientific Committee

Mikhael Bechelany,
Montpellier U
France



Amal Amin, NRC,
Egypt



Nageh Allam, AUC,
Egypt





Stephane Colin,
Toulouse U, France



Tarik Bourouina, ESIEE
Paris, France



Asim Bhaumik,
IACS, Kolkata,
India

Matthias Epple,
Duisberg Essen U,
Germany



Stephen Evans,
Leeds U, UK



Hassan El-Fawal,
AUC, Egypt



Mohamed
Gepreel, EJUST,
Egypt



Wael Fikry, Ain
Shams U, Egypt



Mohamed AbdEl-Ga-
wad, Assiut U, Egypt



Diaa Khalil, AinShams
U, Egypt



Maged El-Kemary,
Kafr El-Sheikh U,
Egypt



Yehia Ismail, AUC,
Egypt



Mervat Khalil,
HBRC, Egypt



Mohamed Khedr,
Beni Suef U, Egypt



Meicheng Li,
NCEP U, China

Ahmed Abd El-Moneim,
EJUST, Egypt



Mohey El-Mazar,
BUE, Egypt



Wael Mamdouh
AUC, Egypt



Brahim El-Ouadi,
La Rochelle U,
France



Masahiro Ohshima,
Kyoto U, Japan



Bonex Mwakikunga,
CSIR Pretoria, S.
Africa

Hassane Oudadesse,
Rennes U, France



Zeid Al-Othman,
King Saud U, Saudi
Arabia



Affaf El-Oufy,
Alexandria U,
Egypt



Seeram Ramakrish-
na, National U,
Singapore



Amlan Pal, IACS,
Kolkata, India



Sanaa Rady,
Alexandria U, Egypt

Taher Salah, BUE,
Egypt



Sherif Sedky,
Zeweil U, Egypt



Ali Shakouri,
Purdue U, USA



Samy El-Shall,
Virginia C U, USA



Tamer Sharara,
ERPI, Egypt



Ahmed El-Shazly,
EJUST, Egypt

Hailei Zhao, UST
Beijing, China



AbdulRahman
Al-Warthan, AJC,
Saudi Arabia



Ibrahim El-Sherbiny,
Zewail U, Egypt



15

Speakers

20

Sessions

14

Tracks

90

Researchers

119

Topics

Conference invited Speakers

Nobel Prize Laureate: [Jean-Marie Lehn](#)

Director Laboratory of Supramolecular Chemistry, University of Strasbourg, France



Speech given by video-conference

Jean-Marie Lehn was born in Rosheim, France in 1939. In 1970 he became Professor of Chemistry at the Université Louis Pasteur in Strasbourg and from 1979 to 2010 he was Professor at the Collège de France in Paris. He is presently Professor at the University of Strasbourg Institute for Advanced Study (USIAS).

He shared the Nobel Prize in Chemistry in 1987 for his studies on the chemical basis of “molecular recognition” (i.e. the way in which a receptor molecule recognizes and selectively binds a substrate), which also plays a fundamental role in biological processes.

His work led him to the definition of a new field of chemistry, which he has proposed calling “supramolecular chemistry” as it deals with the complex entities formed by the association of two or more chemical species held together by non-covalent intermolecular forces, whereas molecular chemistry concerns entities linked by covalent bonds. Subsequently, the area developed into the chemistry of “self-organization” processes and more recently towards “adaptive chemistry”, dynamic networks and complex systems.

Author of more than 1000 scientific publications, Lehn is a member of many academies and institutions. He has received numerous international honors and awards.



Shaker Mousa

PhD, MBA, FACC, FACB - Executive Vice President and Chairman, Pharmaceutical Research Institute (PRI) Albany College of Pharmacy and Health Sciences, USA

DR MOUSA is an endowed chair, tenured professor of Pharmacology at Albany College of Pharmacy, Vice Provost of Research, Executive VP and chair of PRI at Albany, NY. Dr. Mousa is the president of vascular Vision Pharmaceuticals and founders of several spin-off Pharmaceutical and biotechnology companies. He held a senior, principal research scientist and a research fellow at DuPont Pharmaceuticals and Imaging Co., DuPont Merck, and DuPont Pharmaceuticals Company for two decades. Awarded the 2017 Kuwait Foundation for Advancement in Sciences (KFAS) Laureate for Applied Sciences in Medicine beside several national and international awards.

Among Dr Mousa's professional accomplishments are his contributions to several patents and to the discovery and development of novel anti-platelet, anti-thrombotic therapies, noninvasive myocardial perfusion and thrombus imaging agents. His work is reported in over 1,000 peer-reviewed publications and holds over 350 US Patents and International Patents. (Google Scholar h-index = 75, citations = 20,975). He contributed to the discovery and development of the following products / clinical candidates: CardioliteR (Tc99m sestamibi RP30, Non-invasive myocardial perfusion imaging agent, Marluma (for breast cancer detection), DMP444 (Tc99m platelet GPIIb/IIIa antagonist for Non-invasive thrombus imaging agent in venous and arterial thromboembolic disorders). In the therapeutic side, ultra-short acting beta adrenergic receptor blocker, Esmolol (Breviblock), Roxifiban (DMP754, Oral Anti-platelet / Anti-thrombotic agent for the prevention and treatment of coronary, carotid and peripheral artery thromboembolic disorders). Involved in the discovery of novel site directed anti-alpha v/beta3 tumor radiotherapy and imaging. He is also involved in the discovery of novel pharmacological aspects of heparins and non-anticoagulant heparins. His main interest is drug discovery drug development, bringing novel concepts from the bench to the bedside and vice versa utilizing key enabling technologies including nanotechnology, biotechnology, stem cell, and pharmacotherapy.

Jean-Charles Guibert

CEA – Senior advisor to the CEO for innovation, Chairman of MINATEC



Jean-Charles Guibert graduated in 1981 from Languedoc University “Institut des Sciences de l’Ingénieur de Montpellier” in Materials science and then in 1983 from Strasbourg University “Ecole d’Application des Hauts Polymères” in Polymer science.

In the 80’s and 90’s, Jean-Charles Guibert was actively involved in managing the development of lithographic activities and microelectronics program at CEA-Leti, Europe’s largest microelectronics research centre.

In 2000, as deputy manager of CEA-Leti in charge of strategic marketing and international partnership development, he took an active role in the development of the MINATEC, one of the largest world-wide innovation campus in Micro-Nano-Bio Technologies.

In October 2004, Jean-Charles Guibert was appointed Director for the Technology Transfer activities of CEA, a leading Research Technological Organisation in Europe (15.000 staff, 4.3 B€ annual budget), ranked as N°1 RTO worldwide from Thomson Reuters.

From January 2017, Jean-Charles Guibert is senior advisor to the CEO of CEA for innovation at international.

Jean-Charles Guibert is an expert for the European commission and multiple national authorities for innovation activities in the field of new technologies. He is a permanent member of the commission in charge to evaluate French innovation policies.

He is also at the board of the European TTO circle.



Samy El-Shall

Mary Eugenia Kapp Endowed Chair in Chemistry,
Commonwealth Professor & Chair of the Dpt. of
Chemistry at Virginia Commonwealth University,
USA

Over 300 publications (Google Scholar h-index = 48, citations = 9,150), and several US patents (8 issued, 4 pending).

Dr. El-Shall received the Exxon Education Award in 1994 and 1995.

He has been selected as a VCU Board of Visitors Teaching Fellow in 1998.

In 1999, he was honored with the Outstanding Faculty Award of the State Council of Higher Education of Virginia (SCHEV), Virginia's highest faculty honor.

He received the Distinguished Research Award from the Virginia Section of the American Chemical Society in 2009; the Innovative Research Award from the Society of Automotive Engineering (SAE) in 2009; the VCU Distinguished Scholarship Award in 2011, and the VCU Award of Excellence in 2016.

He was selected as a Jefferson Science Fellow and worked as a Senior Science Advisor at the U.S.

Department of State in 2012–2013. Dr. El-Shall received the Virginia Outstanding Scientist in 2018 awarded by the Governor of Virginia. He is an elected Fellow of both the American Physical Society (APS) and the American Association for the Advancement of Science (AAAS).

Ali Shakouri

Birck Nanotechnology Center,
Purdue University, USA



Ali Shakouri is the Mary Jo and Robert L. Kirk Director of the Birck Nanotechnology Center at Purdue University. He received his diplôme d'Ingénieur in 1990 from Ecole Nationale Supérieure des Telecommunications in Paris, France and his Ph.D. in 1995 from California Institute of Technology in Pasadena, USA. He was a faculty at the University of California in Santa Cruz before moving to Purdue in 2011.

His group studies nanoscale heating and electrothermal energy conversion to improve electronic and optoelectronic devices. They have also developed novel imaging techniques to obtain thermal maps with sub diffraction-limit spatial resolution and 800ps time resolution.

He is applying similar methods to enable real-time roll-to-roll process monitoring. He is working with two dozen faculty at Purdue from colleges of Engineering, Science, Agriculture, Polytechnic and Pharmacy to manufacture low-cost smart internet of thing (IoT) devices and sensor network. As a part of Wabash Heartland Innovation Network, they are developing community IoT testbeds in advanced manufacturing and high-tech agriculture.

(Google Scholar h-index = 54, citations = 15,029).



Matthias Epple

Chair of Inorganic Chemistry at the University of Duisburg-Essen, Germany; Vice-President of the German-Ukrainian Academic Society

He graduated in Chemistry (1989) at the Technical University of Braunschweig where he also obtained his PhD in 1992.

He was post-doctoral scientist at the University of Washington (Seattle, USA), at the Royal Institution (London, UK), and at the University of Hamburg (Germany).

In 1997, he obtained his Habilitation at the University of Hamburg and was appointed Associate Professor at the Ruhr-University of Bochum in 2000.

In 2003 he moved to his current position at the University of Duisburg-Essen.

He was President of the German Society for Biomaterials Award "Essen forscht und heilt" in the category "Medicine and Science" by the Essener Gesundheitsforum, with A.M. Westendorf 2017. He has graduated 57 PhD students and authored about 425 papers in refereed journals.

Hailei Zhao

University of Science & Technology, Beijing,
China



She received her Ph.D. in Physical Chemistry from USTB in March 1993.

She was a postdoctoral associate (STA Fellow) in Okayama Ceramic Centre of Japan during Dec. 1999 - Dec. 2001. As visiting scholar, she worked in Georgia Institute of Technology, Boston University and Chinese University of Hong Kong in 2015, 2004 and 2003, respectively.

She is a panel member of Solid State Ionic Society of Chinese Ceramic Society, and vice-director of Beijing Ceramic Society, China.

She is the recipient of Program for New Century Excellent Talents in University (2007), China.

She is a co-holder of 57 Chinese patents and has authored more than 170 peer reviewed publications (SCI-indexed) (Google Scholar h-index = 34, citations = 4,484).

Panel member of Solid State Ionic Society of Chinese Ceramic Society, and the vice-director of Beijing Ceramic Society, China.



Prof Brahim ELOUADI

Professor at the Laboratory of Engineering Sciences for Environment (LaSIE – UMR-CNRS 7356), La Rochelle University, France.

Over 160 publications, 1600 citations and a Google scholar h-index 24.

Co-founder of the REMCES (Rencontre Marocaine sur la Chimie de l'Etat Solide)-series. REMCES-13 will be held in 2019.

Visiting Professor at Oklahoma State University in Stillwater, OK-USA (1985-1986) Co-founder of the series of international conferences CFSAM 1-5 (Chinese French Symposium on Advanced Materials).

Next CFSAM-6 will be organised in Shanghai (2019). Initiator of Collaborative research projects with CNCIC, SICCAS (Shanghai Institute of Ceramics-Chinese Academy of Science), Guilin University of Technology, Hubei University of Wuhan, Tongji University of Shanghai, Kunming University of Forestry.

RESEARCH Interests: Materials science with specific focus on the correlation between the chemical composition, the structure and the physical properties.

The main work concerns the crystal chemistry of various oxides families (rare earth and alkaline based phosphates, titanates, molybdates, etc.) with potential applications for energy (storage, conversion, harvesting) and for electronic and optical devices (Dielectrics, MLCC, Phosphors, Piezoelectrics, Actuators, SH generation, Multiferroics, etc.).

Stéphane Colin

Institut Clément Ader, Université de Toulouse,
France



Stéphane Colin is a Professor in the Mechanical Engineering Department of the National Institute of Applied Sciences (INSA) in the Université de Toulouse, France, since 2002.

He obtained an Engineer degree from ENSEEIHT in 1987 and received his PhD in Fluid Mechanics from the Polytechnic National Institute of Toulouse in 1992. He created in 1999 the Microfluidics Group of the Hydrotechnic Society of France.

Stéphane Colin initiated and co-chaired the series of Microfluidics French Conferences (μ Flu'02 to μ Flu'06) and the series of Microfluidics European Conferences (μ Flu'08 to μ Flu'18).

His current research in microfluidics is mainly focused on gas microflows, with a particular interest in the experimental analysis of rarefied flows. He was the coordinator of the GASMEMS European Initial Training Network aimed at training young researchers in the field of rarefied gas flows in MEMS.

He is the author of more than 140 scientific papers in international journals or conference proceedings and the editor or co-author of four text books.

He is currently the Head of the Modeling and Simulation of System and Microsystem Group of Institut Clément Ader, which includes the Microfluidics Research Team.

Over 140 publications (Google scholar h-index = 21, citations = 2718)



Mikhael Bechelany

European Institute of Membranes, Montpellier,
France

Born in March 1979, He obtained his PhD in Materials Chemistry from the University of Lyon (France) in 2006. His PhD work was devoted to the synthesis and characterization of silicon and boron based 1D nanostructures (nanotubes, nanowires and nanocables).

Then, he worked as a post-doc at EMPA (Switzerland). His research included the fabrication of nanomaterials (nanoparticles, nanowires), their organization and their nanomanipulation for applications in different field such as photovoltaic, robotic, chemical and bio-sensing.

In 2010, he became a Scientist at CNRS. His current research interest in the European Institute of Membranes (UMR CNRS 5635) in Montpellier (France) focuses on novel synthesis methods for metals and ceramics nanomaterials like Atomic Layer Deposition (ALD), electrospinning and/or on the nanostructuring using nanospheres lithography, Graphene and Graphene like materials. His research efforts include the design of nanostructured membranes for health, environmental and renewable energy applications.

All this work has resulted in 154 publications (Google Scholar h-index = 32, citations = 3,679), 24 conference papers, 12 book chapters, 6 patents, 32 invited conferences and seminars and the co-founding of 2 Start-ups. He also participated in the organization of 11 conferences.

Professor Hassane Oudadesse

Head of the research unit on Biomaterials since 2001



Hassane Oudadesse graduated from the University Blaise Pascal of Clermont-Ferrand France. Since 2001, he works in the University of Rennes 1 as Full Professor.

His works concern the conception, synthesis and physicochemical studies of new nanobiomaterials such as nanobioactive glasses for applications in orthopaedic surgery.

He is author of more than 150 papers published in international journals and 70 international conferences.

Professor Hassane Oudadesse was Vice President of University of Rennes 1, human resources 2008-2012, Director of Master 2 Solid Chemistry and Materials since 2006.

He was the President of the Chemical Department from 2002 to 2004 and the President of the specialist's commission CNU 33 (Materials Chemistry) 2003- 2008.



Raj Bawa, MS, PhD,

President and Founder of Bawa Biotech LLC, a biotech/pharma consultancy and patent law firm based in Ashburn, Virginia, founded in 2002.

He is an inventor, entrepreneur, professor and registered patent agent licensed to practice before the U.S.

Patent & Trademark Office. Since 1999, he has held various positions at Rensselaer Polytechnic Institute in Troy, NY, where he is an adjunct professor and where he received his doctoral degree in three years (biophysics/biochemistry).

Currently, he is a visiting research scholar at the Pharmaceutical Research Institute of Albany College of Pharmacy in Albany, NY, and is vice president of Guanine, Inc. in Rensselaer, NY.

He has served as a principal investigator of SBIRs and reviewer for both the NIH and NSF. In the 1990s, Dr. Bawa held various positions at the US Patent & Trademark Office, including primary examiner from 1996-2002.

He is a life member of Sigma Xi, co-chair of the nanotech committee of the American Bar Association and founding director of the American Society for Nanomedicine.

He has authored over 100 publications, co-edited four texts and serves on the editorial boards of 14 peer-reviewed journals, including serving as an associate editor of Nanomedicine (Elsevier).

Some of Dr. Bawa's awards include the Innovations Prize from the Institution of Mechanical Engineers, London, UK (2008); Appreciation Award from the Undersecretary of Commerce, Washington, DC (2001); the Key Award from Rensselaer's Office of Alumni Relations (2005); and Lifetime Achievement Award from the American Society for Nanomedicine (2014).

Tarik Bourouina

Professor ESIEE, Paris, France, Associate
Director of ESYCOM Lab



Dr. Bourouina took several positions in France and in Japan, at the Université Paris-Sud, at the French National Center for Scientific Research (CNRS) and at The University of Tokyo. Since 2002 Dr. Bourouina is full Professor at ESIEE Paris, Université Paris-Est, appointed as Dean for Research from 2012 to 2015.

Tarik Bourouina holds M.Sc. in Physics, M.Eng. in Optoelectronics, Ph.D. in MEMS (1991), and HDR (2000) from Université Paris-Sud, Orsay. His entire career was devoted to the field of MEMS and Lab-On-Chip.

He started research at ESIEE Paris in 1988 on MEMS microphones and acoustic gyroscopes. His current interests include optofluidics, analytical chemistry on-chip, seeking new opportunities for MEMS in the areas of Sustainable Environment and Smart-Cities.

He is the Co-Laureate of the French Excellence Grant (EquipEx Sense-City). He is also actively involved in the development of several companies launched by his former students and colleagues, which include Si-Ware Systems, Fluidion, Memscap and MEMS-Schlumberger.

He is -co-laureate with Si-Ware-Systems of the Prism award on photonics innovation in 2014 for the smallest MEMS based FTIR spectrometer.

Among his contributions to the scientific community, Dr. Bourouina served in the Technical Program Committee of IEEE MEMS from 2012 to 2013.

He is now serving as an Editor in two journals of Nature Publishing Group: Light: Science and Applications and Microsystems and Nanoengineering, in partnership with the Chinese Academy of Science.

Over 270 publications (Google scholar h-index = 31, citations = 36833)



Bonex Mwakikunga

Principal Research Scientist at the CSIR
Pretoria, National Center for Nanostructured
Materials, South Africa

Most Established Researcher category of the CSIR MSM: Excellence Awards;
Third Prize of the Young Researcher conference in Nanoscience and Technology.

Over 120 publications (Google Scholar h-index = 20, citations = 1,185) + 2
International patents

Mentor[®]

A Siemens Business

TECHNOLOGY

NANO

Little Things... Big Impact

Program at a glance

Start	End				
Monday, December 10, 2018					
8:00	9:30	A10	Registration		
9:30	10:45	A11	Inauguration		
10:45	11:30	Coffee Break			
11:30	13:45	A12	Keynotes 1		
13:45	14:45	Lunch			
14:45	16:25	A13	Energy production and Storage 1	B13	Electronic and Magnetic Applications 1
16:25	17:00	Coffee Break			
17:00	19:00	A14	Nanomedicine–Synthesis, Assembly and Characterization	B14	Water, Food and Environment
19:00	21:00	IoT Workshop			
Tuesday, December 11, 2018					
9:00	10:20	A21	Nano Pharmaceutical and Nutraceuticals	B21	Evaporators and chemical reactors at the microscale
10:20	11:00	A22a	Keynotes 2a		
11:00	11:30	Coffee Break			
11:30	13:30	A22b	Keynotes 2b		
13:30	15:00	Lunch			
15:00	16:50	A23	Exhibitors & Poster session 1		
16:50	17:20	Coffee Break			
17:20	19:00	A24	Energy production and Storage 2	B24	Electronic and Magnetic Applications 2

1st character
2nd character
3rd character

Hall: A or B
Day: 1 - 4
Hall: A or B

Example:
A23 Hall A, 2nd day, 3rd Period

Wednesday, December 12, 2018					
9:00	10:20	A31	Nano-Imaging/ Diagnostics	B31	Industrial Applications
10:20	10:50		Coffee Break		
10:50	12:50	A32	Keynotes 3		
12:50	14:20	Lunch			
14:20	15:20	A33	Exhibitors & Poster session 2		
15:20	15:50	Coffee Break			
15:50	17:30	A34	Biomedical applications of nanotechnology	B34	Micro and Nano sensors 1
17:30	18:00	IoT-Borg Alarab cluster activity			
19:00	20:00	Entertainment			
20:00	21:30	Gala Dinner and Awards			
Thursday, December 13, 2018					
9:00	10:40	A41	Micro and Nano sensors 2	B41	Nanotechnology Challenges
10:40	11:10	Coffee Break			
11:10	12:30	A42	Nano Association		
12:30	13:30	Lunch			
13:30	14:30	A43	Panel		
14:30	14:45	Coffee Break			
14:45	15:00	A44	Closing session		

1st character	Hall: A or B
2nd character	Day: 1 - 4
3rd character	Hall: A or B

Example:
A23 Hall A, 2nd day, 3rd Period

Second Floor of The Palace



Organized By



The initiative of launching this event is taken by the Egyptian National Nanotechnology Network, ENNN, which has recently been adopted by the National Academy of Scientific Research and Technology, with the participation of most Egyptian universities and research centers working in nanotechnology at large. Developing international scientific cooperation is one of its major objectives



Egyptian Information, Telecommunications, Electronics, and Software Alliance (EITESAL) is a non-profit entity of ICTE companies operating in Egypt. Fostering communication both between industrial members as well as partnership between industry and research entities is among its major objectives



The Academy of Scientific Research & Technology (ASRT) is a non-profit organization affiliated to the Ministry of Scientific Research, established in September 1971 by the Presidential Decree. In 1998.

ASRT brings together outstanding Egyptian scientists and experts from universities, research institutions, private sector, NGOs, policymakers and prominent Egyptian scientists in Diaspora to deliberate country problems, propose and carry out scientific studies and future strategic basic plans to tackle these problems.

ASRT adopts a comprehensive plan for developing Egyptian S&T to support relevant national ministries and research institutions in creating an integrated system of scientific research together for increasing the number of trained scientists in Egypt.

Main Sponsor



Egyptian Information, Telecommunications, Electronics, and Software Alliance (EITESAL) is a non-profit entity of ICTE companies operating in Egypt. Fostering communication both between industrial members as well as partnership between industry and research entities is among its major objectives

Platinum Sponsors



Silver Sponsors



Detailed Program

Start	End	Monday, December 10, 2018	
9:30	10:45	A11	Inauguration
11:30	13:45	A12	Keynotes 1 Chairs: Mohamed-Nabil Sabry, Maged El-Kemary
11:30	12:25	001	From Supramolecular to Adaptive Chemistry - Contributions to Nanoscience and Nanotechnology; Jean-Marie Lehn
12:25	13:05	002	Advanced Drug Delivery: Nano-targeted delivery for Therapeutic and Imaging; Shaker Mousa
13:05	13:45	003	Internet of Things and Smart Manufacturing, Ali Shakouri
14:45	16:25	A13	Energy production and Storage 1 Chairs: Mohamed Rashad, Bonex Mwakikunga
14:45	15:25	011	Metal sulfides with crystal orientation as high performance anode materials for lithium (sodium) ion batteries; Hailei Zhao
15:25	15:45	032	High Conductive Nano-Fiber Shaped PEDOT: PSS for Efficient Perovskite Solar Cell; Hytham Elbohy , Qiquan Qiao
15:45	16:05	044	Effect of Synthesis Approach on the Structural and Optical Properties of Hybrid Perovskite Materials for Photovoltaic Application; SA Olaleru , KT Roro , B Mwakikunga , JK kirui , N El-Mahallawy and R Mohammed
16:05	16:25	104	Fabrication of Silicon Nanowires by Metal - Assisted Wet Chemical Etching; Aliaa M. S. Salem , Farid A. Harraz , S.
14:45	16:25	B13	Electronic and Magnetic Applications 1 Chairs: Ali Shakouri , Diaa Khalil
14:45	15:05	109	Behavior of Magnetic Particles in a Closed Loop System; Myoungwoo Lee , Youn-Jea Kim
15:05	15:25	126	Hybrid Reinforcement of Aluminum Matrix Composite by Nano Nickel and SiC particles For Electronic Applications; Shimaa A. Abolkassem , Omayma A. Elkady , Ayman H. Elsayed , Walaa A. Hussein
15:25	15:45	065	Nano-Graphene Oxide; Current Trends and Future Advances; Evans Egwim , Alfred Kalu , Emeka Onwurah
15:45	16:05	102	Optimum Radio-Frequency Plasma Sheath Parameters for Nanoscale Profiles Etching; Mohammed Shihab

Paper ID

16:05	16:25	088	Shape-Controlled Synthesis of Nanostructured Co-Doped ZnO Thin Films and their Magnetic Properties; F.A. Taher , E.Abdeltwab
17:00	19:00	A14	Nanomedicine – Synthesis, Assembly and Characterization Chairs: Matthias Epple , Amani Mostafa
17:00	17:40	013	Metallic and bimetallic nanoparticles: Synthesis, microstructure and properties; Matthias Epple
17:40	18:00	093	Thiolation-Induced Assembly of Gold Nanoparticles onto Glass Substrates; Ahmed Medhat , Dina Salah , Ibrahim Hassan and Amal Kasry
18:00	18:20	117	Effect of Particle Shape on the Flowability of Dry Powder Inhalers: Computational Fluid Dynamics Approach; Alaa M.Ali , Ahmed S. Abo Dena , Ibrahim El -Sherbiny
18:20	18:40	059	Magnetite Nanoparticles Encapsulation in Poly-Caprolactone Microspheres for Targeted Drug Delivery; Abdelrahman Mahmoud , Islam Khalil , Nesrine El -Gohary , Mohamed Elwi
18:40	19:00	039	Layer-by-Layer-Coated Lyotropic Liquid Crystalline Nanoparticles for Active Tumor Targeting of Rapamycin; May Freag , Yosra Elnaggar , Doaa Abdelmonsif , Ossama Abdallah
17:00	19:00	B14	Water, Food and Environment Chairs: Samy El-Shall , Brahim El-Ouadi
17:00	17:20	040	Analysis of the Refraction Index of Colloidal Suspensions in a Fabry-Pérot Optofluidic Cavity; Mahmoud Youcef Mahmoud , Noha Gaber , Frédéric Marty , Elodie Richalot , Tarik Bourouina
17:20	17:40	068	Instant Green Preparation of Gold Nanoparticles: Effect of Temperature on Gold Nanoparticles Morphology; Norhan Nady
17:40	18:00	105	Efficient approaches for synthesis of graphene hybrids for packaging and water treatment; Ahmad Ghanem , Mona Abdel Rehim , Abdelrahman Badwy
18:00	18:20	116	An Attempt to Produce, Precipitate Silver in Nanoparticles, its Effect on Dairy Microbes and Potential Toxicity; Hassan Nour EIDin Hassan , Enas El..Fadly , Ibrahim El-Mehasseb , Mohamed Al-Ghanam El-Magd
18:20	18:40	118	Application of Chitosan-Citric Acid Nanoparticles for Removal of Selecte Metals from Aqueous Wastewater; S.M. Abdelbasir , S. M. El-Sheikh , A.M. Sayed

Start	End	Monday, December 10, 2018	
18:40	19:00	129	Development of Nano-Chitosan Edible Coating for Peach Fruits Cv. Desert Red; Mohamed Montaz Gad , Osama A. Zagzoug and Osama Mohamed Hemed
Tuesday, December 11, 2018			
9:00	10:20	A21	Nano Pharmaceuticals and Nutraceuticals Chairs: Shaker Mousa , Wael Mamdouh
9:00	9:20	084	Functioning Anticancer Nanomachine Designed from Nucleotide Aptamer and Light-Powered Nanoconverter; Alexandre Loukanov , Seiichiro Nakabayashi
9:20	9:40	058	Preparation & Evaluation of Pregabalin Based PLGA Nanoparticles as Topical Gel: Targeted Drug Delivery Platform to Treat Fibromyalgia; Mona G. Arafa
9:40	10:00	149	Biomedical application of nanofibers, El -Refaie Kenawy
10:00	10:20	026	Alleviation of Cardiac Ischemia by Ajwa Nano-Preparation: Effect on Cardiac Contractility; Soad Al-Jaouni , Seham Abdul-Hady , Hany El-Bassossy , Numan Salah , Magda Hagra
9:00	10:20	B21	Evaporators and chemical reactors at the microscale Chairs: Stephane Colin , Ahmed El-Shazly
9:00	9:20	145	Non-Equilibrium Effects at the Liquid-Vapor Interface; Alexey Polikarpov , Irina Graur
9:20	9:40	134	A Look on Relevant Nondimensional Numbers for Flow Boiling in Microchannels and Minichannels; Mohamed M.Awad , Zan Wu , Bengt Sundén
9:40	10:00	099	Dry Reforming of Methane over Stable Ni/La-ZrO ₂ Catalyst Prepared by Consecutive Impregnations Method; Radwa El-Salamony , Seham Al-Temtamy , Salwa Ghoneim , Dalia Abd El-Hafiza , Mohamed Ebiad , Ahmed El Nagggar , Tahani Gendy , Ahmed Al -Sabagh
10:20	11:00	A22a	K-M Reactor, New Technology for Core Shell Materials; M.A. AbdelKawy , A. El-Shazly
10:20	11:00	010	Graphene-based Materials for Applications in Heterogeneous Catalysis, Water Treatment and Solar Water Desalination; S El Shall
11:30	13:30	A22b	Keynotes 2b Chairs: Elrefaie Kenawy , Mikhael Bechelany
11:30	12:10	004	Impact of Nanobiotechnology on the Future of Medicine: The Road Toward Precision Medicine/Case Studies; S. Mousa

12:10	12:50	005	Green microsystems: Challenges and Opportunities for Sustainable Development and Smart Cities; T Bourouina
12:50	13:30	008	Molecular tagging as an experimental tool for investigating out of equilibrium properties of gas flows in MEMS; S Collin
15:00	16:50	A23	Exhibitors & Poster Session 1 Chairs: Amal Amin , Hanadi Salem
		043	High Performance Asymmetric Supercapacitors Based on Polyaniline and Vanadium Oxide; Hossam A. Ghaly , Ahmed G. El-Deen and Nageh K. Allam
		047	Hybrid Organic/Inorganic Semiconductors: Innovative Materials for Future Applications; Afaf El-Sayed , Fatma Ibraheem , Iman A. Mahdy , Esmat A. Mahmoud
		053	Laser Reduction of Graphene Oxide Thin Film for Optoelectronics Applications; C. Tharwat , and Mohamed A. Swillam
		054	Plasmonic Coated Silicon Nanoparticles for Optical Applications; E. Girgis , C. Tharwat , and Mohamed A. Swillam
		057	Quantum Confinement of Cd, Sn Chalcogen Thin Film as Absorber Layer of Visible and Infrared Light; Iman A. Mahdy , Manal A. Mahdy and Esmat A. Mahmoud
		060	Silicon Super Absorber in the Mid Infrared Range; Sara Magdi , Farah El-Diwany , Mohamed Swillam
		072	Nanofluid from the Womb of Nanotechnology: Challenges and Opportunity in Energy Saving; A Review ; Mahmoud Ahmed
		079	New and Advanced Polymeric Systems: A Dielectric Investigations ; Gamal Turkey , Mona Abdel Rehim , Shereen Shabaan , Mohammed Moussa , Ahmed Ghoneim
		082	Dielectric Study of the Double Layer in Ionic Liquid; Gamal Turkey , Mohamed El-Nasharty , Mona Abdel Rehim , Omnia Shehata , Mohammed Moussa
		085	Effective ZnO Nanofibers Electron Transfer Layer for High-Performance Perovskite Solar Cells; Ahmed Esmail , Ali Omar Turkey , Mohamed M. Rashad and Mikhael Bechelany
		086	Spectroscopic and Photostability Properties of Novel Bis-Fluorescein Derivative Composite Semiconductor Quantum Dots; Mahmoud E. M. Sakr , A. M. Abou-Elmagd , Ahmed H. M. Elwahy , Nabel A. Negm , Maram T. H. Abou Kana
		Paper ID	

		090	Catalytic Conversion of Carbon Dioxide into Hydrocarbons ; Ramadan A. Geioushy
		094	High Performance Antimony-Bismuth-Tin Positive Electrode for Liquid Metal Battery; Wang Zhao, Ping Li, Zhiwei Liu, Donglin He, Kun Han, Hailei Zhao, Xuanhui Qu
		095	Large-scale Generated 3D N-doped Graphene Framework Coupled with Fe ₃ C@CNT Rings for Ultra-stable Potassium-ion Batteries; Kun Han, Zhiwei Liu, Ping Li, Qiyao Yu, Wei (Alex) Wang, Cheng-Yen Lao, Donglin He, Wang Zhao, Guoquan Suo, Hao Guo, Lei Song, Mingli Qin, Xuanhui Qu
		122	Titania Assisted Metal Organic Framework Matrix for Elevated Hydrogen Generation Combined with the Production of Graphene Sheets through Water Splitting Process; Rasha S. Mohamed, Amal A. Alkahlawy, Heba M. Gobara and Ahmed M.A. El-Naggar
		127	Crystal, Electronic Structure, Optical and Electrical Studies of New 2D Hybrid Perovskite [(CH ₂) _n (NH ₃) ₂]MX ₄ ; X= Cl, Br; M= Co, Mn; n= 4-9 Promising for Photovoltaic Applications; Seham K. Abdel-Aal, Ahmed S. Abdel-Rahman, Gudrun Kocher-Oberlehner, Andrei Ionov, Rais Mozhchil
		130	Bi-Functional Tailoring of Platinum Surfaces with Earth Abundant Iron Oxide Nanowires for Boosted Formic Acid Electro-Oxidation; Bilquis Ali Al-Qodami, Heba H. Farrag, Sayed Youssef Sayed, Nageh K. Allam, Bahgat E. El -Anadouli, Ahmad M. Mohammad
17:20	19:00	A24	Energy Production and Storage 2 Chairs: Hailei Zhao, Daa Khalil
17:20	18:00	012	Exploring New Insights and Innovative Applications of Perovskite Materials; Brahim Elouadi
18:00	18:20	097	CTAB-Co ₃ O ₄ /RGO Composite as an Efficient Electrode Material for Supercapacitor Applications; Soliman El-Hout, Chunlin Chen, Ting Liang and Jian Zhang
18:20	19:00	100	Tunable Non-Precious Metal Oxides for Oxygen Reduction and Evolution Reactions; Abdelhamid M. El-Sawy, Steven L.Suib
17:20	19:00	B24	Electronic and Magnetic Applications 2 Chairs: Wael Fikry, Mohamed Rashad

17:20	17:40	073	Thermal Stability of Ultra-Tough Nanocrystalline Cu-1%Nb; Mohamed A. Abaza, Ronald O. Scattergood and Khaled M. Youssef
17:40	18:00	112	Impact of a Hole Inversion Layer at the BiVO ₄ -In ₂ O ₃ Interface Produced at High Tunable Photocatalytic Efficiency; Ahmed Helal , Yu Jianqiang , S M El-Sheikh , Alaa I. Eid , S A El-Hakamc , S E Samra
18:00	18:20	089	Face-On Oriented Thermolabile Boc-Isoindigo/Thiophene Small Molecules: From Synthesis to Device Performance; Mohamed Shaker, Byoungwook Park, Seongyu Lee, Cuc Kim Trinh, Wonbin kim, Hong-Joon Lee, Heejoo Kim, Kwanghee Lee and Jae-Suk Lee
18:20	18:40	051	Graphene Nanoribbons Growth on Kinked Au(16 14 15); Afaf El-Sayed , Lukas Kormoš , Ignacio Piquero , Zakaria M. Abd El-Fattah , Jens Brede , Jorge Lobo-Checa , Dimas G. de Oteyza , J. Enrique Ortega , and Martina Corso
18:40	19:00	074	Controllable Synthesis and Tuning Realization of Barium Strontium Titanate (Ba _{1-x} Sr _x TiO ₃) through Solvothermal Technique; Ali Omar Turkey , M. M. Rashad , Mi khael Bechelany
Wednesday, December 12, 2018			
9:00	10:20	A31	Nano-Imaging/Diagnostics Chairs: Amani Mostafa, Hassane Oudadesse
9:00	9:40	014	Nanomedicine under the Microscope: A Journey in Pictures; Raj Bawa
9:40	10:00	033	Recent Avenues of Nanomaterials in Molecular Imaging; Ahmed Elshahawy
10:00	10:20	103	On-Chip Progesterone Hormone Concentration Estimation by aOptimized Optofluidic Micro Resonator; Noha Gaber , Yasser M. Sabry , Frédéric Marty , Noha Mousa , Tarik Bourouina
9:00	10:20	B31	Industrial Applications Chairs: Affaf El-Oufy , Mervat Khalil
9:00	9:20	029	Smart Nanotextiles: Brilliant Colors, UV-Protection, Self-Cleaning, Photocatalytic and Antimicrobial Activity; Ahmed Barhoum
9:20	9:40	031	Analytical Characterization of TiO ₂ - Based Nanocoatings for the Protection and Preservation of Architectural Calcareous Stone Monuments; Mohammad A. Aldoasri , Sayed M. Ahmed , Mervat H. Khalil , Sawsan S. Darwish , Mahmoud A. Adam , Nadia A.Al-Mouallimi , and Nagib A. Elmarzug

9:40	10:00	034	Comparative Studies on the Fabrication of Photonic Crystals via Self-Assembly of Poly(Styrene-Butyl-Acrylate-Acrylic Acid) and Polystyrene Latexes; Esther Ikhuoria , Ikhasuagbe Ifijen , Saju. Pillai
10:00	10:20	101	Synthesis and Characterization of Silylated Modified Na-MMT Nanoparticles on Melt Blended Polypropylene Support; Alaa Eid , Amr El-Shamy , Radwa Salem , Ossama Abu Al-Enein
10:50	12:50	A32	Keynotes 3 Chairs: Hanadi Salem , Nageh Allam
10:50	11:30	009	Breath Analysis Using Nano-Particles for Health; B Mwakikunga
11:30	12:10	007	Engineering of nanomaterials and interfaces: design, properties and applications; M Bechelany
12:10	12:50	006	Nanomaterials based start-ups within MINATEC® Innovation campus; J-C Guibert
14:20	15:20	A33	Exhibitors & Poster Session 2 Chairs: Hanadi Salem , Amani Mostafa
		027	Computer Aided Design of Magnetic Molecularly Imprinted Polymer Nanoparticles for Solid-Phase Extraction and Determination of Levetiracetam in Human Plasma; Olivia A. Attallah , Medhat A. Al -Ghobashy , Ahmed Taha , Jack Adam Tuszynski , and Marianne Nebsen
		038	Characterization of Aluminum Schottky Junction Diode Fabricated on Nickel Oxide Thin Film Synthesized Through Sol-Gel Method; Shadrach Akinkuade , Walter Meyer , Jacqueline Nel
		045	Non-Invasive Glucose Sensor; Abdelrahman Toraya , Samir Abozyd , Osama Hiekal , Noha Gaber , Sherif Sedky
		066	Modification of the Egyptian Clay by Two Different Organic Surfactants Using High Speed Mixer; Marwa E. Mohamed , Alaa I. Eid , Malak T.Abou El -khair , Gamal R. Saad
		098	Studying the Physico-Mechanical and Electrical Properties of Polypropylene/Nano Copper Composites for Electronics and Industrial Applications; Alaa Eid , Omayma El Kady , Lamiaa Mohamed , Ashraf Eessaa , Shaimaa Esmail
		123	Structural and Optical Properties of Nanocrystalline Fe Doped BiMnO3 for Solid-State Dye Sensitized Solar Cells (ssDSSCs); D.A. Rayan , M.M. Rashad , A.E. Shalan , E.A. Abdel-Mawla , A.A. Mohamed , S.K. Mohamed

		025	Ajwa Nano-Preparation Prevent Doxorubicin Associated Cardiac Dysfunction; Soad Al -Jaouni , Seham Abdul-Hady , Hany El-Bassossy , Numan Salah , Magda Hagra
		050	The Sensitivity of Spleen in Rats to Oxidative Stress Induced by Titanium dioxide Nanoparticles: Potential Role of Chitosan ; Tamara Shaker Mahmoud , Aqeel Khaleel , Ahmed Morsi Attia
		056	Oil Core Polymer Shell Nanocapsules for Enhancement of Antidepressant Activity of Trazodone In Vitro and In Vivo; Nahla Elhesaisy , Shady Swidan
		091	Modified Reduced Graphene Oxide Thin Films for Biosensing Applications; Mona Gaber , Shafei Donia and Amal Kasry
		125	Combined Chemotherapy –Gold Nanoparticles Treatment Is More Efficient than Single Modality Treatment Regimen in MCF-7 Breast Cancer Cell Line; SF Morkos , S Moussa , TI Shalaby , E Zaher , M Elnaggar
		024	Waveguides Sensitivity Analysis for Mid-Infrared Gas Sensing; Raghi S. El Shamy , Mohamed Swillam , Diaa Khalil
		075	Effective ZnO Nanofibers Electron Transfer Layer for High-Performance Perovskite Solar Cells; Ahmed Esmail , Ali Omar Turkey , Mohamed M. Rashad and Mikhael Bechelany
		087	Cyclic Voltammetry and Thermodynamic Data Estimated for the Interaction of Bulk and Nano Cadmium Chloride (Ncc) with Isatin Using Glassy Carbon Electrode; Mohamed A. Morsi , Esam A. Gomaa , and Alaa S. Nageeb
00045	16	131	Structural and Magnetic Properties of La and Sm Co-Doped W-Type Hexaferrite Nanopowders; Diaa Rayan , Mahmoud Hessien , Mohamed Rashad
		132	Alternating Magnetic Field Induced Drug Permeability in Liposomes Encapsulating Magnetic Nanoparticles; Bassant M. Salah , Nermeen S. El-Din
		133	In vivo Toxicity Assessment of Gold Nanoparticle of Different Shapes in Drosophila Melanogaster; Ola M. El-Borady , Youssef S. Mahmoud , Naglaa M. Ebeed
		041	Hybrid Electrospun Nanofiber Membrane for Oil/ Water Separation; Sara M. Moatmed , Ahmed G. El -Deen , M.H. Khedr , S. I. El-dek , and Hak-Yong Kim
		042	Reinforcement of Chitosan Using Natural Fillers to Enhance Physical and Mechanical Properties for Active Packaging Applications; Marwa Faisal , Amal Elhussieny , Irene S. Fahim , Nicola M. Everitt

		046	State-of-the-Art and Perspectives of Water Desalination Based Capacitive Deionization Technology; Ahmed G. El-Deen
		062	Catalytic Degradation of Methylene Blue Using Photo-Induced Biosynthesis of Silver Nanoparticles; Sara M. Ezzat , Sara A.Abdel Gaber , Mohamed El Shazly , Amani Thabet and Mahmoud H. Abdel Kader
		081	Enhanced Photocatalytic Performance of Nanosized Sn-Substituted ZnO Photocatalysts for Methylene Blue (MB) Degradation; A.N. El-Shazly , M.M. Rashad , E.A. Abdel-Aal , I.A. Ibrahim , M.F.El-Shahat 15
15:50	17:30	A34	Biomedical applications of nanotechnology Chairs: Wael Mamdoh , Sanaa Rady
15:50	16:30	015	Bioactive glass nanoparticles elaboration: Applications in bone biomaterials reconstruction; H Oudadesse
16:30	16:50	048	Nanofibers Scaffolds and Nanoparticles/Polymer Conjugates for Antibacterial and Drug Delivery Applications – From Lab to The Market; Wael Mamdouh , James Kegere , Nancy ElBaz , Laila Ziko , Rania Siam
16:50	17:10	083	Detection of Breath Acetone Using Gas-Chromatography Mass Spectrometry and Tungsten Oxide Based Sensor as a Potential Replacement of Blood Glucose Reader for Diabetes Mellitus Monitoring; Valentine Saasa , Mervyn Beukes , Thomas Malwela , Bonex Mwakitunga
17:10	17:30	038	Structural and Morphological Studies of Ni Ferrite Doped with Cr Ions Prepared by Flash Auto Combustion Method; A. M. A. Henaish , O. M. Hemedat , M. I. Abdel-Ati , B. I. Salem & F. S. El-Sbakhy
15:50	17:30	B34	Micro and Nano-sensors 1 Chairs: Yehea Ismail , Tarik Bourouina
15:50	16:10	049	Surface Enhanced Raman Scattering as a Sensing Technique Using Silicon Nanowires and Plasmonic Nanoparticles; Mohamed Elsayed , Abdelaziz Gouda , Yehea Ismail , Mohamed Swillam
16:10	16:30	055	Silicon-Based Plasmonic Dipole Nanoantenna in Mid-IR; Hosam Mekawey , Yehea Ismail , Mohamed Swillam
16:30	16:50	076	Wedge Interferometry: The Doorway for High Sensitivity Miniaturized Opto-Fluidic Sensors; Noha Gaber
16:50	17:10	077	Dual Polarized Asymmetric Double-Grating-Gated Plasmonic for Terahertz; Ahmed M. Attiya
17:10	17:30	114	Optical Transmission and Reflection of Single- and Multi-Walled Carbon Nanotubes in the NIR; Ahmed Saeed , Yasser M. Sabry , Ahmed A. Elsayed , H.A.Shawkey , Diaa Khalil

Paper ID

Thursday, December 13, 2018

9:00	10:40	A41	Micro and Nano-sensors 2 Chairs: Tarik Bourouina, Nageh Allam
9:00	9:20	052	Gas Selectivity Studies of Metal Oxides Nano-Surfaces from First Principle Approach; Amos Adeleke Akande, Kittesa Roro, Diaa Rayan, Mohammed Rashad, Bonex Mwakikunga
9:20	9:40	106	Fabrication, Characterizations and Vapor Sensing Characteristics of Type I Heterostructure Employing 2D ZnO Nanosheets and 2D RGO; Sanghamitra Ghosal, Partha Bhattacharyya
9:40	10:00	107	Integrated Gas Sensor Device Using RGO/TiO ₂ Nanotube Hybrid Sensing Layer and Embedded Pt Microheater for Efficient H ₂ Detection; Partha Bhattacharyya, Sanghamitra Ghosal
10:00	10:20	108	Performance Improvement of TiO ₂ Nanoflowers Based Gas Sensor Devices Incorporating Pd and rGO as the Surface Modifier: A Comparative Study; Indranil Maity, Debanjan Acharyya, Partha Bhattacharyya
10:20	10:40	061	Near Field Imaging Enhancement Beyond Diffraction Limit Based Hyperbolic Matamaterial; Norhan Salama, Mohamed A.Swillam
9:00	10:40	B41	Nanotechnology Challenges Chairs: Mervat Khalil, Tamer Sharara
9:00	9:20	036	Ethical Issues of Nanotechnology: Inevitable or Soluble Obstacles to Nanotechnology Contribution to Sustainable Development; Bahaa Darwish
9:20	9:40	037	Synthesis, Characterization and Evaluation of Conductive Nanocomposites (Cncs) for Electronic and Biotechnical Applications; Ragia Mohsen, Yosrya Abu-ayana, Samir Morsi
9:40	10:00	124	Nano-Technology: Challenge for Advanced Application; Inas Battisha, Hanan ABD El Zaher, Magdy Ayoub, Amal Amin, Eman H. Ahmed, Claudia Wickleder, Matthias Adlung, Wafaa Moussa, Olfat El Sayed, Mimoun El Marssi, Abd Il-Ilah Lihmar
10:00	10:20	041	Progress of Nanoprecision Materials for Cancer Therapy; Nehal Salahuddin
10:20	12:30	A42	Nano Association
12:30	13:30		Lunch
13:30	14:30	A43	Panel: Nanomedicine from the bench to the bedside; IP, Licensing, and commercialization of Nano Products; S.Mousa, R. Bawa, W. Mamdouh, I. El -Sherbiny
14:45	15:00	A44	Closing Session

Paper ID