

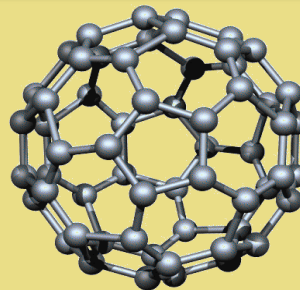
The Aligarh Muslim University, Aligarh

announces

“ALIGARH NANO-IV International 2014”

International Conference on Nanoscience and Nanotechnology

March 8-10, 2014



Organised by



Centre of Excellence in Materials Science (Nanomaterials)
Department of Applied Physics

Aligarh Muslim University, Aligarh- India



The Ohio State University
Columbus, Ohio, USA



DRDO
India



CSIR-Central Electronics Engineering Research Institute
Pilani - India

Co-sponsored by : OSU (USA)-AMU STEM EDUCATION & RESEARCH CENTER

Under Indo-US Collaborative Obama-Singh 21st century knowledge initiative awards

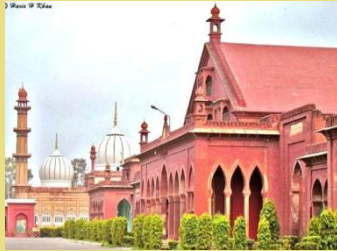
DRDO, DST-Nano Mission, CSIR, CST-U.P., AICTE, DBT

Venue

Aligarh Muslim University, Aligarh, India

(www.aligarhnano.com)

Aligarh Muslim University Aligarh India



Aligarh Muslim University (AMU) is a public university, funded by the central government of India. It was established by Sir Syed Ahmed Khan as Madrasatul Uloom Musalmanan-e-Hind, in 1875 which later became Mohammedan Anglo-Oriental College (MAO College). The Mohammedan Anglo-Oriental College became Aligarh Muslim University in 1920. The main campus of AMU is located in the city of Aligarh. There are two fully functioning off-campus centers located in the cities of Malappuram and Murshidabad. It has more than 25,000, students, about 1,400 teachers and some 6,000 non-teaching staff on its rolls, with 12 faculties in 95 departments, 5 institution and 13 centres. There are 18 halls of residence with 73 hostels.

Nanotechnology Program in AMU: *The discipline of Nanotechnology is being nurtured at the post graduate level under the umbrella of Department of Applied Physics. The P.G. courses include M.Tech (Nanotechnology) supported by Nano-Mission, DST, Govt. of India and Advance PG Diploma in Nanotechnology started under UGC innovative teaching & research program. The nanotechnology program by CST (U.P.) also in the form of Centre of Excellence in Materials Science (Nanomaterials). There are nanotechnology program has well equipped laboratories for synthesis and characterization of nanomaterials. Nanotechnology research group till date has published more than 100 research papers in reputed journals in last 3 years. This conference is co-sponsored by the OSU (USA)-AMU (India) STEM EDUCATION & RESEARCH CENTER under the recently announced Indo-US collaborative Obama-Singh 21st century knowledge initiative awards to AMU and The OSU.*

The Ohio State University Columbus, Ohio, USA



The Ohio State University was founded in 1870 as a land-grant university in with the Morrill Act of 1862 under the name of the Ohio Agricultural and Mechanical College. The school was originally situated within a farming community located on the northern edge of Columbus. While some interests in the state had hoped that the new university would focus on matriculating students of various agricultural and mechanical disciplines. The university opened its doors to 24 students on September 17, 1873. In 1878, the first class of six men graduated. The first woman graduated the following year. Also in 1878, in light of its expanded focus, the college permanently changed its name to the now-familiar "The Ohio State University", with "The" as part of its official name. The Ohio State University is one of four U.S. universities that has received the highly competitive Obama-Singh 21st Century Knowledge Initiative award for its project, "Training the Next Generation of STEM Faculty at Higher Education Institutions in India." Ohio State will receive approximately \$250,000 in grant monies over a three-year period to launch a pilot program with **Aligarh Muslim University** in India. The program aims to lay the groundwork for capacity building in STEM education and research at Indian universities in collaboration with universities in the United States.

CSIR-CEERI, Pilani - India



CSIR-Central Electronics Engineering Research Institute, popularly known as CSIR-CEERI, is a constituent establishment of the Council of Scientific and Industrial Research (CSIR), New Delhi. The foundation stone of the institute was laid on 21st September, 1953 by the then Prime Minister Pt. Jawahar Lal Nehru. The actual R&D work started towards the end of 1958. The Institute (CSIR-CEERI) has since blossomed into a center of excellence for development of technology and for advanced research in electronics. Over the years the institute has developed a number of products and processes and has established facilities to meet the emerging needs of electronics industry.

DRDO, India



Defence Research and Development Organisation (DRDO) is an agency of the Republic of India, responsible for the development of technology for use by the military, headquartered in New Delhi, India. It was formed in 1958 by the merger of the Technical Development Establishment and the Directorate of Technical Development and Production with the Defence Science Organisation.

DRDO has a network of 52 laboratories which are deeply engaged in developing defence technologies covering various fields, like aeronautics, armaments, electronic and computer sciences, human resource development, life sciences, materials, missiles, combat vehicles development and naval research and development. The organization includes more than 5,000 scientists and about 25,000 other scientific, technical and supporting personnel.

CST,U.P



Council Of Science & Technology, U.P. was established on 1 of May, 1975 by Govt. of U.P. as an autonomous body registered under Societies Registration Act 1860 by restructuring U.P. State Council of Scientific & Industrial Research; the origin of which lies in Scientific Research Committee constituted under University Grant Commission in the year 1947. The main aim of the Council is to promote overall development of S&T in the State. Research Promotion; Technology Development, Upgradation and Transfer; Entrepreneurship Development; and S&T Communication and Popularisation are the main activities of the Council. It sponsors time bound and result-oriented programmes relevant to the state to various Universities, Colleges, Technical Institutions, R&D Laboratories, Voluntary Organisations (VOs) Non-Government Organisations (NGOs) and Individual Innovators. Besides creating strong S& T base, establishment of Remote Sensing Applications Centre (RSAC) Lucknow, Non-conventional Energy Development Agency (NEDA) Lucknow, Regional Science Centre (RSC) Lucknow, Biotechnology Park Lucknow, Science City Allahabad, two Planetaria.. one in Lucknow and other in Gorakhpur are some of main achievements of the Council.

During 11th Five Year Plan, CST, U.P. efforts have been made to establish Centers of Excellence in Institutions/Universities situated in the State of Uttar Pradesh with a view to strengthen S&T infrastructure and to give thrust on capacity building and human resource development in chosen areas of S&T. As part of 11th Five Year Plan, the **Centre of Excellence in Materials Science (Nanomaterials)** was established in Department of Applied Physics, Aligarh Muslim University, Aligarh, India with the objectives: Technology of millennium is thought to address problems of health, agriculture and environment improving the quality of life for one and all. The Centre of Excellence material Science (Nanomaterials) is well equipped with modern nanotechnology facilities and is engaged in cutting edge research & development activities of nanotechnology.

- Synthesis and fabrication of wide range of nanoparticles and nanomaterials.
- Application of nanoparticles and nanomaterials in the area of biomedicine, environment, agriculture, food and electronics etc.
- Development of nanotechnology based commercial products for house hold, food and agriculture use.
- Exploring indigenous bioresource for the novel synthesis methods of graphene, carbon metal nanoparticles and polymer nanocomposites.
- Nanotechnology based human resource training.

Center of Excellence in Materials Science

(NANOMATERIALS)

Supported by :

COUNCIL OF SCIENCE & TECHNOLOGY, (C.S.T.) U.P.

Department of Applied Physics,
Z. H. College of Engineering & Technology
Aligarh Muslim University, Aligarh

Conference objectives

Today nanotechnology is an emerging field which is full of new ideas, innovation and applications. During the last decade, nanotechnology has been proved to be practical, relevant and achievable. This technology has now become an accepted field of interdisciplinary research and is making great strides for its applicability in numerous areas of energy, science, technology, defence, space, agriculture and industry. Many experts believe that the future of the world is likely to be governed by the development in nanotechnology.

Nanotechnology has the potential to reduce costs with its multiple applications and the inherent ability to produce new materials like non-corroding and flexible iron. This technology is emerging as an 'industrial force' worldwide. The utility of this technology in defence and health care is now being explored world-wide and many sensors have been developed which have dual applications for example in defence and as well as in civil activities.

"Aligarh Nano-IV International 2014", the fourth conference in the series, aims to accelerate interdisciplinary research through the platform of nanotechnology. The conference will motivate the young researchers to develop their professional/research skills in nanoscience and nanotechnology. This will also provide an opportunity to interact with senior scientists, exchange new ideas and seek pathways of mutual collaboration for tackling the problems in very important areas of energy, environment, agriculture and health which are essential ingredients of respectable existence of common man.

There will be awards for best oral and poster presentation for researchers/young scientist. All presented papers will be considered for publication in a reputed journal / proceedings after peer review process.

Conference themes

- Nanotechnology for defence & military applications
- Synthesis and characterization techniques of nanomaterials
- Nanotechnology for harnessing energy
- Nanomaterials in food, agriculture and water purification
- Nanoparticles for engineering materials
- Magnetic nanoparticles and applications
- Nanoparticles based drug targeting
- Nanomedicine and health care
- Nanoelectronics , nanosensors and MEMS
- Bionanotechnology
- Nanocosmetics and house hold products
- Graphene and its nanocomposites
- Organic and inorganic nanocomposites

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Aligarh, India

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Registration Fee

All delegates are requested to register online on the website (www.aligarhnano.com) well in advance.

	Indian Delegates		Foreign Delegates	
	Early Bird (Before Jan. 31, 2014)	Late (After Jan. 31, 2014)	Early Bird (Before Jan. 31, 2014)	Late (After Jan. 31, 2014)
PG Students/ Research Scholars	Rs.2500	Rs.3000	150 US\$	200 US\$
Academia / R&D Institution	Rs.5000	Rs.5500	200 US\$	250 US\$
Industry	Rs.10000	Rs.11000	250 US\$	350 US\$

Payment mode

Registration will be confirmed only on payment of the prescribed registration fee.

Account name -----
A/C. No. -----
Bank -----
Branch -----
Branch code -----
IFSC code -----
SWIFT -----

Key dates

Submission of full paper : Nov. 30, 2013
Acceptance of paper: Dec. 31, 2013
Last date for early bird registration: Jan. 31, 2014
Last date for late registration: Feb. 28, 2014
Dates of conference : Mar. 8-10, 2014

Accommodation

Accommodation can be arranged on payment basis at hotels/University Guest House. Prior request for the accommodation may be made along with online registration.

Visa information

Visa information to foreign delegates

Delegates from abroad / overseas should possess a valid passport and entry visa. Visa can be obtained from the nearest Indian Embassy / Consulate / High Commission. Invitation letter, if required for visa application, will be provided on request to Convenor "ALIGARH NANO-IV International 2014". A general portal with information about consulates and visa services for India is at <http://www.visatoindia.com>

Technical exhibition

The Technical exhibition includes the exhibits from Industries and Institutions involved in development of materials / nanomaterials , instrumentation , components , sensors and systems , nanomaterials testing equipment etc.

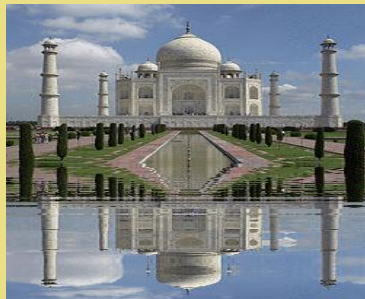
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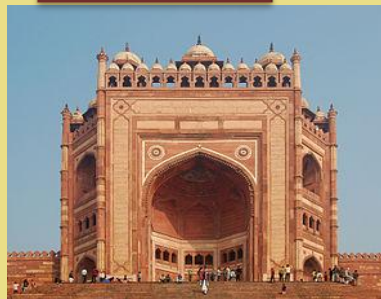
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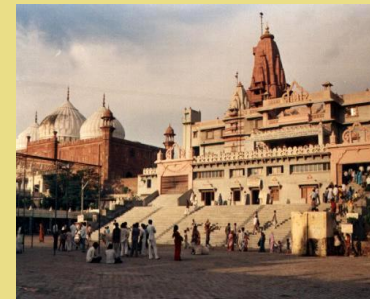
Tourist places



TaJ Mahal
Agra



Buland Darwaza
Fatehpur Sikiri



Jama Masjid and Janam –Bhumi
Mathura

For further details and information please contact

Dr. Wasi Khan

Co-Convenor

Department of Applied Physics, F/o Engineering & Technology,
Aligarh Muslim University, Aligarh-202002, Uttar Pradesh, India

Ph. No. +91571-2700920 Ext. 3036, Mobile:+919897532717

Fax No. +91571-2700093

E- mail. aligarhnano@gmail.com