Objectives of the Conference

The international conference, jointly organised by Panjab University (PU) and Florida Polytechnic University (FPU), aims to foster knowledge, research breakthroughs, and educate 21st century learners in advanced fields of Green Chemistry, Engineering and Technologies (GCET) for sustainabile development. The Scientific sessions by distinguished scientists from India and USA will be a platform to address global challenges in the field of GCET with the sole aim to facilitate exchange of expertise research, resources and outreach activities between the two countries. The event will also feature a panel discussion session involving industry leaders and eminent scientists as subject experts to provide inputs and guidelines for the futuristic degree program at PU and FPU to prepare innovative problem solvers and high tech professionals for key Global challenges.

Registration

Registration Fees should be sent in advance in form of demand draft in favor of "Project Director, Indo-US 21st Century knowledge Initiative" payable at Chandigarh latest by March 26, 2017 along with duly filled registration form.

Category	Amount
Student	₹2000
Research Scholar	₹3000
Faculty	₹4000
Industry	₹8000
Foreign Delegate	$200
Accompanying person	₹2000 per person

Abstract

Abstracts should be submitted at gcet2017@gmail.com latest by March 18, 2017. The abstract should not exceed 250 words (Times New Roman, Font 12, and Line Spacing 1.5) with title of the paper (in capital letters), names and affiliations of authors (in italics) and presenting authors' name underlined. The proceedings of the selected peer reviewed papers will be published in iCASCADE (ISSN No. 24743399), an open access peer reviewed international journal published by Florida Polytechnic University.

Accomodation

The participants may be provided accommodation in guest houses/ faculty houses /hostels on first cum first basis. Arrangements will be made only after receiving the duly filled accommodation form till March 30, 2017 along with the accommodation fee {Rs. 2500 (Delegates)/Rs.1500 (Research scholar/ students)}. The tariffs of ordinary hotels at Chandigarh range from Rs. 2500-6000 per day per room.

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Randy Avent, President, Florida Polytechnic University

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Jaspreet S. Dhau, Florida Polytechnic University

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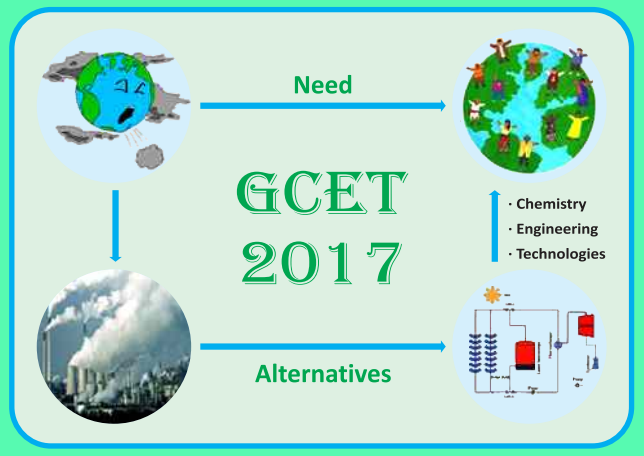
GCET – 2017

International Conference on

Green Chemistry/Engineering and Technologies (GCET) for Sustainable Development

An Indo-US Knowledge Partnership

@ Panjab University on April 20-22, 2017

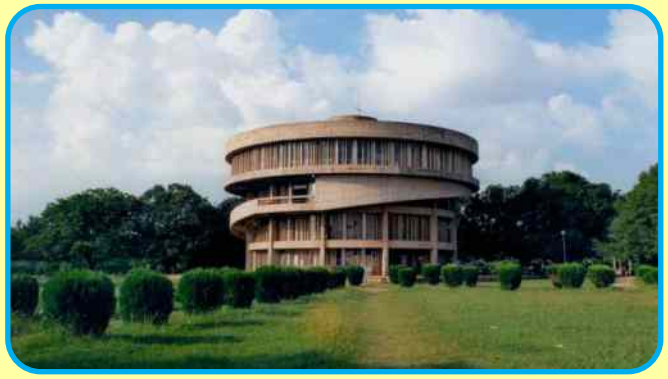


Under the aegis of University Grants Commission
Indo-US 21st Century Knowledge Initiative

Organized by
Panjab University, Chandigarh, India
&
Florida Polytechnic University, USA

Panjab University

With a tradition of excellence in diverse fields, Panjab University attracts faculty who excel at teaching and research. For more than a century, University has inspired faculty and students with its 75 teaching and research departments and 15 Centers/Chairs for teaching and research. At the Panjab University Campus, the Indian Council of Social Science Research has set up its North-Western Regional Center, which runs a library, a seminar complex and a guesthouse for visiting scholars under its study-grants program. Website: http://www.pu.ac.in



Department of Chemistry

Founded by Dr. S.S. Bhatnagar at Lahore in 1925, the prestigious Department of Chemistry has faculty who have been recognized with awards such as the Shanti Swarup Bhatnagar award, Jawaharlal Nehru fellowship, and Raman and Palit awards. Many faculty members are bestowed with F.N.A., F.A.Sc., F.N.A.Sc. The department has been selected by the UGC for COSIST and Special Assistance Programme (SAP) andthe Centre for Advanced Studies in Chemistry (CAS) for last 16 years. The Department of Science and Technology (DST), Government of India has accorded it the status of "DST-FIST Supported Department."

The department has stimulating undergraduate and postgraduate teaching programmes with frequent symposia, summer programs, and refresher and orientation courses for the benefit of talented students as well as University, College, and School teachers. The department is known for fully equipped research laboratories including the state of the art Central Instrumental Laboratory (CIL). It also has a well-stocked library—perhaps one of the best in Northern India, with its excellent collection of books, research journals and monographs.

Website: http://chemistry.puchd.ac.in

Theme for the Technical and Poster Sessions

Green Chemistry

- Green Synthesis
- Green chemistry and Materials
- Green Coatings

Green Engineering

- Environmental Health and Safety of Nanomaterials
- Diagnostic methods for the detection of heavy metals in water and soil
- Green MEMs and NEMs fabrication technologies
- Green Composites

Green Technologies

- Green Manufacturing Innovations
- Printed and Flexible Electronics
- Printed and Flexible Circuits
- Inkjet and 3D Printing technologies
- NanoFabrication and Nanomanufacturing
- Hexachrome-free corrosion resistant coatings
- Cadmium and lead free coatings

Renewable Energy and Sustainability

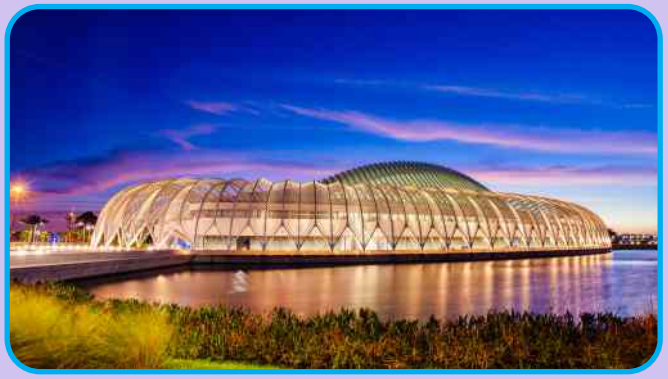
- Energy Storage
- Solar Power Technologies
- Wind Power Technologies
- Fuel cells and Hydrogen
- Biofuels and Biomaterials
- Materials for Sustainable Building
- Carbon Capture and Utilization
- Water Remediation Technologies
- Materials synthesis for Sustainability and Efficiency

Acknowledgements

USIEF United States-India Educational Foundation

Florida Polytechnic University

Florida Polytechnic University was founded in 2012 and is dedicated to the study of science, technology, engineering and math (STEM). Its campus was built in with the stunning Innovation, Science and Technology Building serving as a centerpiece. Designed by world-renowned architect Santiago Calatrava, the IST Building houses classrooms, offices and innovation labs along with a unique all-digital library and one of the largest Makerbot Innovation Centers in the world with more than 55 3D printers.



Florida Poly's curriculum is split between the College of Engineering and the College of Innovation and Technology. The former focuses on all aspects of engineering, from machine intelligence and nanotechnology to testing the strengths of materials. Innovation and Technology prepares students for careers in data analysis, cloud computing, logistics and health informatics. Both colleges offer Master's degree programs.

Small class sizes and easily accessible professors make it easier for students to dive deep into topics of interest and develop projects to test their theories. Classroom instruction in both colleges emphasizes real-world application and hands-on projects to bring textbook learning to life. Students can also graduate workforce-ready with the help of more than 90 industry partnerships that provide internship and mentoring opportunities. The payoff could already be seen in the summer 2016 internships obtained by Florida Poly students. The Department of Chemistry at FPU offers research opportunities in the field of renewable and, energy storage systems, corrosion resistant coatings, solid state and metal deposition technologies. TheDepartment boasts faculty with industrial, intellectual property and technology commercialization experience.

Website: http://www.floridapolytechnic.org