

**5th International Conference on Composites:
Characterization, Fabrication, and Application (CCFA-5)
December 20-21, 2016, Tehran-Iran**

The 5th International Conference on Composites: Characterization, Fabrication and Application (CCFA-5) is aimed to bring together both engineers and researchers of the field to review and discuss the recent practical and theoretical methods/ approaches to address composite characteristics and manufacturing processes. The conference focuses on the state-of-the-art in automobile, piping, marine and civil engineering structures, bio-composites, micro- and nano-composites.

Selected presented papers in the conference will be considered for publication in refereed journals in composite materials.

PLACE OF THE CONFERENCE:

Excavations place the existence of settlements in Tehran as far back as 6000 BC. The best feature of the city is the magnificent Alborz Mountains with the altitude of 1200 meters above sea level range on the northern side, covered with snow usually from November to May. Tehran is a city of all four seasons with hot summers, freezing winters, and brief springs and autumns.



The highest peak in the country, Mount Damavand (5,678 m), which is an extinct volcano covered in snow for most of the year with its visibility

from Tehran has an attractive appeal for adventurers and climbers. Tehran, with a population of around 14 million, is the biggest city in Iran and one of the largest cities in the Middle East, comparable in size with London and New York. The city is very lively in days, and the population is very young. There are many quality museums to visit and plentiful good restaurants to dine in. People are very friendly especially towards foreigners, and the majority of the young generation has a good command of English.

International participants require an "Entry Visa".

TOPICS:

A. Materials Characteristics

Mechanical and Physical Properties, Materials Testing, Strength and Stiffness, Effects of Residual Stresses, Durability and Aging, Fracture Mechanics, Fatigue Damage and Cracking, Thermal Stresses and Creep, Impact and Dynamic Response, Degradation of Composites.

B. Fabrication

Fabrication and Methods, Repair Technologies, Strengthening and Rehabilitation Micro/Nano-Composite Fabrication, Machining of CFRP Laminates, Hybrid Composites and Lamination, Autoclave, Filament Winding Process, Sandwich Panels, Extrusion Process, Pultrusion Process, Vacuum Bagging.

C. Applications

Automotive structures, Light-Weight Transportation, Vibration Damping, Structural Response and Design, Anchorage Systems, Connections and Joints, Bio-composites/ Implants, Micro- and Nanotechnology Composites, Textile Composites, Applications in Structural Concrete, Applications in Wood, Steel Structures, Structural Health Monitoring and Intelligent Sensing, Heat Resistance, Piping, Wrapping and Jacketing FRP composite.

D. Analysis and Safety

Codes and Standards, Safety and Security, Environmental Impact, Modeling and Simulation, Low Cost Composites, Recycling, Material Resistance Factors and Design Criteria, Renewable Materials Filled Composites.

ABSTRACT:

An electronic file (Word document) of a 150-word abstract with title, name, address, phone/fax numbers and E-mail address should be submitted to the conference website (<http://ccfa.iust.ac.ir/>) by **Aug. 15, 2016**.

IMPORTANT DATES:

Aug 15, 2016 Abstract submission
Aug. 31, 2016 Abstract acceptance
Sept. 15, 2016 Early registration
Sept. 30, 2016 Paper submission
Dec. 20-21, 2016 Conference sessions

REGISTRATION FEE:

Bank accounts for national and international participants will be announced in the conference website (<http://ccfa.iust.ac.ir>) soon.

Before Sept. 30, 2016	International fee	National fee (Rials)
Participant*	\$440	3,600,000
Student*	\$320	2,400,000
Accompanying*	\$400	3,420,000

After Sept. 30, 2016	International fee	National fee (Rials)
Participant*	\$500	4,200,000
Student*	\$380	3,000,000
Accompanying*	\$460	4,000,000

* All participants are required to register and pay the registration fee of the conference. Registration includes conference proceedings, lunches and refreshments. Each participant can submit two papers with one registration fee. Half price will be charged for each extra paper. Students can only submit one paper at their special rate.

CONFERENCE CHAIRS:

Shokrieh, M. M., Iran University of Science and Technology, Iran
Varvani-Farahani, A., Ryerson University, Canada

INTERNATIONAL ADVISORY COMMITTEE:

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ACCOMODATION:

The list of hotels with the conference special rates and in the neighborhood of the conference location will be soon posted in the conference website.

SPONSORS: Iran University of Science and Technology, Ryerson University, Iran Composites Institute and Iran Composites Scientific Association.