

**International Conference on  
Advances in  
Materials Processing and Characterisation  
(AMPC 2020)  
14-16 October 2020**

**1<sup>st</sup> ANNOUNCEMENT & CALL FOR PAPERS**

Organised by  
Department of Mechanical Engineering  
College of Engineering, Guindy Campus  
Anna University, Chennai-600 025, India  
Conference site: <https://www.mypadnow.com/ampc2020>

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## **SCOPE OF CONFERENCE**

The purpose of this Inter-disciplinary conference is to offer a forum for academics, scientists and engineers working in the area of Materials Science and Engineering / Materials Processing/Characterisation and allied areas related to Engineering materials, to present and review the state-of-the-art developments on all aspects related to the processing and characterization of engineering materials. The topics of AMPC 2020 give a wide scope to the research community belonging to Material science and Engineering, Metallurgical Engineering, Mechanical Engineering and other related interdisciplinary branches.

## **TOPICS OF INTEREST**

1. Biomaterials, Polymers , Ceramics
2. Composite Materials
3. Smart Materials
4. Nanostructured Materials
5. Materials Joining processes
6. Micro-fabrication/molding
7. Material Forming
8. 3D Printing/ Additive Manufacturing
9. Nano-Fabrication
10. Heat Treatment of Materials
11. Powder Processing Science/Sintering Technologies
12. Innovative Materials Processing
13. Machining of New Materials
14. Thin films and coating Technology
15. Finite Element Analysis in Materials Design and Processing
16. Failure and Fracture Mechanics
17. Materials Engineering for Bio-medical Applications
18. Advanced Materials Evaluation Techniques (SEM, TEM, XRD, EDAX, dimensional and Chemical surface scanning, AFM, DMA, etc.)
19. Non-Destructive Evaluation

## **CONFERENCE LANGUAGE**

The official language of the conference is / will be English.

## **SUBMISSION OF ABSTRACT**

The abstract (about 300 words) must carry sufficient information for a fair assessment and should contain the following:

- Full title of the paper
- Name of the author(s), affiliations, full addresses with telephone numbers, fax numbers and e-mail ids
- Keywords
- A brief summary of the research work to be covered in the paper

The abstract can be submitted online by visiting url: <https://www.mypadnow.com/ampc2020> or by using smart phone QR Reader/Scanner by using the below QR Code:

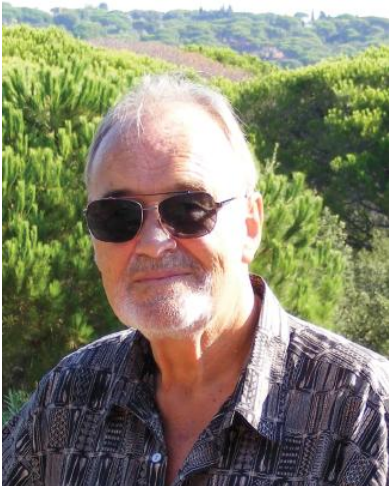


After provisional acceptance of the abstract, the full paper will be peer-reviewed before final acceptance for oral and poster presentation. Each paper will be subjected to plagiarism check. The guidelines for preparing a camera-ready paper will be provided along with the provisional acceptance letter.

### **Plenary Session**





Prof.J.N. Reddy  
University Distinguished Professor, Regents' Professor, and Oscar S Wyatt Jr. Endowed Professor  
Texas A&M University, USA



Prof. Peter W R Beaumont, Emeritus Professor, University of Cambridge, UK,  
Editor, Applied Composite Materials (Springer)

#### KEYNOTE SPEAKERS

	<p>Prof. S.Sankaran Department of Metallurgical and Materials Engineering Indian Institute of Technology Madras Chennai-600036</p>
	<p>Prof. Chakkingal Uday Department of Metallurgical and Materials Engineering Indian Institute of Technology Madras Chennai-600036</p>



Prof. Chandra Sekher Yerramalli,  
Aerospace Engineering Department  
IIT Bombay, Powai, Mumbai 400076

## Publication

After review, all the accepted papers (shorter version) will be published in the conference proceedings, which will be available during the conference.

Selected papers that focus on critical materials problems that affect their design and application, solutions to those problems, which could enhance the performance of the materials and the integrity of the engineered composite structures, will be published in a special issue of Applied Composite Materials (Springer). Only papers that are presented in the conference will be considered for publication in the special issue of the Journal. The authors have to submit a full length paper after the conference for the special issue.



## DEADLINES

- : Submission of abstract-April 30, 2020
- : Notification of acceptance of abstract- May 5, 2020
- : Submission of full paper-June30, 2020
- : Notification of acceptance of paper- August 10, 2020
- : Submission of camera-ready paper-August 20, 2020
- : Deadline for early registration- August20, 2020

## CONFERENCE FEE

The full registration fee includes participation in all sessions, programmes, morning and afternoon refreshments, lunch and dinner. It also includes a full set of conference proceedings and a copy of abstract of papers.

<b>Delegates</b>	<b>Before 20Aug2020</b>	<b>After 21Aug2020</b>
Research Scholars/ Students	Rs. 3000+18%GST	Rs. 5000+18%GST
Authors from Academia	Rs. 5000+18%GST	Rs. 7000+18%GST
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Foreign delegates (Bank charges have to be paid by authors only)	USD400+18%GST	USD500+18%GST

## **SPECIAL PROGRAMME**

Special Programmes including sightseeing and visit to places of historic importance and cultural programme will be arranged.

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### **About the Institution**

College of engineering Guindy, was started in the year 1794, is the first engineering college founded in India. Now, College of Engineering, Guindy is the largest engineering college in Tamil Nadu. Situated in the southern part of Chennai city, the campus extends over 100 hectares abutting the Adyar River on the north and Raj Bhavan on the south.

### **About the Department**

Mechanical Engineering is one of the oldest and the most famous courses of study at College of Engineering, Guindy (CEG), Anna University. It provides excellent learning and research opportunities for undergraduate and graduate studies. This course in CEG is approved by the AICTE

(All India Council for Technical Education), a Statutory Body established for proper planning & co-ordinated development of technical education throughout the country.

### About Chennai

Chennai is the largest city in the southern state of Tamil Nadu, and is located on the south-eastern Coromandel Coast off the Bay of Bengal. This vibrant metropolis serves as a gateway to the culture of South India. The city is a major hub of culture, commerce and education in South India. The city today is abuzz and alive with its varied mix of modern and traditional blends of culture and lifestyle. Chennai is one of the most fascinating and culturally rich cities of India. The world famous Indian Classical Dance of Bharatanatyam has its origin in Tamil Nadu. Chennai has the second longest beach in the world. Elliot's beach is one of the neatest beaches in the capital city, located on the eastern coast of Tamil Nadu near Besant Nagar. Situated in Triplicane, Marina Beach is one of the most renowned beaches of the world. Besides this, it is the longest beach in India and also the second longest beach in the world, which stretches to a length of 13 km. SANTHOME BASILICA is located on the southern end of Marina Beach. Another cultural place near Chennai is Mahabalipuram, which is 56 km from Chennai. This is best known for the UNESCO World Heritage Site of 7th- and 8th-century Hindu Group of Monuments at Mamallapuram.

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