

Registration fee

Affiliation	Participation only	Participation and Presentation
Industry	Rs.750/-	Rs.1500/-
Academia	Rs.750/-	Rs.1000/-
Research Scholars	Rs.500/-	Rs.750/-
Students	Rs.500/-	Rs.750/-

Registration details for paper presentation and participation - Registration form and payment details will be sent along with the acceptance letter.

Registration details only for participation - Registration form and payment will be done as spot registration.

Important dates

Last date for submission of full paper : 20-09-2018

Notification of acceptance : 27-09-2018

Camera ready paper : 08-10-2018

(Format of the paper will be sent along with acceptance)

Conference date : 02-11-2018 and 03-11-2018

Address for communication

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Department of Mechanical Engineering



National Conference on Recent Trends in Mechanical Engineering and CFD Applications

RTMECA-2018

November - 2nd and 3rd, 2018

(Under DST-PURSE programme)

Coordinators

Dr. E. James Gunasekaran
Dr. P. Ramesh



Organized by

Department of Mechanical Engineering
(DST - FIST Sponsored Department)
Faculty of Engineering and Technology
Annamalai University

(Accredited with 'A' Grade by NAAC)

Annamalai Nagar- 608002
Tamilnadu

ABOUT THE UNIVERSITY

In the early 1920s Rajah Sir S. R. M. Annamalai Chettiar founded Sri Minakshi college, Sri Minakshi Tamil College and Sri Minakshi Sanskrit College at Chidambaram. In 1928, Rajah Sir S. R. M. Annamalai Chettiar agreed with the local Government to handover the above said institution for establishing a University. Thus, on 01.01.1929 Annamalai University was established as per Annamalai University Act 1928 (Tamil Nadu Act 1 of 1929).

One of the most significant developments is the enactment of the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013), which has come into force from September 25, 2013. Annamalai University is accredited with 'A' Grade by NAAC in 2014. “**The NIRF-2018**” by the Ministry of Human Resource Development (MHRD) has ranked the University in the band 101 - 150 in the overall category as well as the University Category. In the Pharmacy Category the ranking is 20 in India. In the Medical Category the ranking is 24th. “**The Times Higher Education World University Ranking - 2018**” has ranked Annamalai University in 801 - 1000 for Overall category and 401 - 500 for Life Sciences category. “**The CWTS Leiden Ranking 2017**”, on scientific impact of universities and on universities' involvement in scientific collaboration & scientific performance, has ranked the University at 14th based on the number of publications and 3rd based on the proportion of publications that, compared with other publications in the same field and in the same year, belong to the top 10% most frequently cited. “**The Nielsen - India Today Ranking**” (2017) has ranked Annamalai University 11th among the top 30 Universities in India. Among the top 100 institutions for Higher Education in India the “**SCIImago Institutional Ranking**” has ranked Annamalai University as 4th in Tamil Nadu and 20th in India.



Annamalai University is one of the largest unitary, teaching, and residential Universities in Southern Asia comprising of 10 Faculties and 49 departments of study. This University has played a pivotal role in providing access to higher education to thousands of youth cutting across the social spectrum, especially from economically and socially disadvantaged classes. In this respect, this University's service to the nation is tremendous.

The Mechanical Engineering Department made pioneering and definite contributions in the thrust areas of alternate fuels, I.C. engine emissions control, heat transfer, solar energy and refrigeration. Many summer schools and national level seminars have been organised in the field of I.C. engines. The Department has been awarded funding from DST-FIST programme for advanced research in internal combustion engines.

LOCATION

Annamalainagar is located 2 km from Chidambaram town and is well connected by road and rail located at 240 km south of Chennai on Chennai -Tiruchirapalli railway main line.



About the Conference

RTCAME-2018 is focused on recent developments and advances in the field of Engineering Science and sharing of knowledge across people from academia and industry. The conference will facilitate useful interaction between experts on sustainable development in the field of energy, manufacturing, automotive technologies and simulation of engineering processes using Computational Fluid Dynamics (CFD). The conference will be a forum for sharing of knowledge between experts from industry, academia, scientists, students and research scholars. This conference will benefit both academic and industrial community at national level.

Publication in Scopus Journal: Select good quality papers after peer review will be published in scopus indexed journal. The authors will be intimated separately about the format and style required for the journal.



Call for Papers

Papers are invited based on the results of original research and development work from various engineering fields contributing to the spirit of the conference. Manuscripts on the topics listed below but not limited to will be considered. Papers with maximum of seven pages may be sent through e-mail. A paper may have a maximum of four authors. Any paper involving faculties among authors will be treated as a faculty paper. After initial screening, authors of accepted papers will be informed through e-mail.

TOPICS FOR THE PAPER

- ◆ Internal Combustion Engines
- ◆ Battery and Fuel Cell Technology
- ◆ Impact of Electronics in Mechanical Engineering
- ◆ Energy and Environment
- ◆ Environmental Sustainability and Management
- ◆ Renewable Energy Systems
- ◆ Quality Engineering and Management
- ◆ Smart Materials
- ◆ Processes for Environmental Emission Reduction
- ◆ Nano Technologies
- ◆ Applications of Heat Transfer
- ◆ Modelling and Simulation in Engineering
- ◆ Mechatronics and Robotics
- ◆ Green Manufacturing
- ◆ Bio-Energy