

**NATIONAL CONFERENCE
ON**

ADVANCES IN

COMPUTATIONAL FLUID DYNAMICS

(NACFD – 2019)

13-14, April 2019

REGISTRATION FORM

1. Name in Full

2. Designation.....

3. Full Contact Address

.....

Mobile: E-mail:

4. Do you propose to present a paper: YES/No. If yes

(a) Title of the paper

(b) Authors:

5. Do you want accommodation: YES/NO

6. Accompanying Persons if any.....

7. Date and Time of Arrival:

8. Mode of Arrival : Bus / Train / Air

9. I) I have enclosed the registration Fee of

Rs..... by Demand Draft bearing

No.....Bank.....Dt.....

II) I have paid the registration fee of Rs.....

by NEFT Transfer No....Bank.....Dt.....

Place:

Date:

Signature

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Dr. M. Ganeswara Reddy

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Organized by

Department of Mathematics

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Ongole Campus

ONGOLE – 523 001 (A.P.)

www.anu.ac.in

ABOUT THE ANU ONGOLE CAMPUS

Acharya Nagarjuna University Ongole Campus (Formerly Nagarjuna University Post-Graduate Centre) was established in the year 1993 as one of the two post - Graduate Centers of Acharya Nagarjuna University, which was named after the famous Buddhist Philosopher and exponent of Madyamika Philosophy, to cater the needs of higher education in Prakasam District. At present there are Eight Departments in the campus, include Department of Mathematics. The Department of Mathematics is offering M.Sc., M.Phil. and Ph.D courses.

ABOUT THE CONFERENCE

Modern fluid mechanical problems would be impossible to solve without the use of computational fluid dynamics (CFD). As we have seen, the scope of analytical solutions to fundamental equations of fluid mechanics is very limited and, once a more difficult geometry is encountered, we usually have to choose a given numerical method for obtaining a solution.

The term CFD is used to refer to a wide spectrum of numerical methods used for solving complex 3-D and time-dependent flow problems. This scientific field originally developed from early approaches to solve the Navier-Stokes equation numerically. Solving this equation remains one of the most challenging problems in numerical physics even today.

In the conference, we will focus on the most important techniques in CFD, namely weighted residual methods with the most important algorithm being the Galerkin and spectral methods, FDM, FVM, and FEM and relating to other numerical methods for the mathematical modeling of flow problems along with modern advances in fluid dynamics.

The Conference will Cover the Following Areas

A wide range of topics related to classical and emerging areas of computational modeling of fluid dynamics problems.

The interest areas of the conference include but are not limited to the topics related to Mathematical Sciences like:

- ◆ Numerical Modeling of the problems in Fluid & Bio-fluid Mechanics
- ◆ Theoretical and Computational Fluid Dynamics
- ◆ Micro- and Nano-fluidics Modeling
- ◆ Advanced Numerical methods in Fluid Dynamics
- ◆ Biomedical Engineering
- ◆ Two-phase Flows
- ◆ Computational magneto-hydrodynamics
- ◆ CFD simulation
- ◆ Numerical methods in fluid flow and heat transfer

CALL FOR PAPERS

Original Research papers in the field of computational fluid dynamics are invited for presentation. Interested researchers are requested to submit an Abstract(not exceeding 300 words) of their paper along filled registration form (both in Ms-Word format) by email nacfd2019@gmail.com

REGISTRATION FEE

Delegates from Academic and R & D Institutions ₹ 700
Research Scholars/ Students ₹ 500

IMPORTANT DATES

Last Date for Submission of Abstracts 05-04-2019
Acceptance of Abstract 07-04-2019
Last Date for Submission of Registration fee 09-04-2019
Last Date for Submission of full paper 10-04-2019

JOURNAL PUBLICATION

Selected papers from the NACFD-19 will be recommended by the Peer review and Screening Committee for publication in UGC Listed Journal at concessional cost.

ACCOMMODATION

Arrangements will be made for stay to the out station participants in the Local lodges and Hotels in Ongole town on payment basis (on request).

FINANCIAL SUPPORT

The delegates are requested to approach their parent organization or other funding agencies for travel grants.

ADVISORY COMMITTEE

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