**CSIR sponsored**
**One Day National Workshop On** *Numerical Methods and Computational Challenges In Nonlinear Dynamics*
**(NCCN ~ 2017)**
**Registration form**

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The Council of Scientific & Industrial Research (CSIR) --the premier industrial R&D organization in India was constituted in 1942 by a resolution of the **Central Legislative Assembly**. It is an autonomous body registered under the Registration of Societies Act of 1860.CSIR aims to provide industrial competitiveness, social welfare, strong S&T base for strategic sectors and advancement of fundamental knowledge.

Today CSIR is recognised as one of the world's largest publicly funded R&D organisations having linkages to academia, R&D organisations and industry. CSIR's 37 laboratories not only knit India into a giant network that impacts and add quality to the life of each and every Indian but CSIR is also party to the prestigious Global Research Alliance with the objective of applying global knowledge pool for global good through global funding. CSIR's R&D portfolio embraces areas as diverse as Aerospace, Biotechnology...indeed, almost the ABC-Z of Indian Science!

*For further enquiries and communication contact:*

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**One Day National**
**Workshop On** *Numerical Methods and Computational Challenges In Nonlinear Dynamics*
**(NCCN ~ 2017)**

*Sept 19th, 2017*

*ORGANISED BY*
**JANSONS INSTITUTE OF TECHNOLOGY**

*Convenor*
**Dr. R. Senjudarvannan**
*Coordinators*
**Dr. D. Geethalakshmi**
**Dr. G. Bhavani**
**Prof. P. Gowtham**
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**JANSONS INSTITUTE OF TECHNOLOGY,**

**Karumathampatti,Coimbatore,**

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## ABOUT THE INSTITUTION

Jansons Institute of Technology (JIT) is a world class Engineering College having a vision of being in the forefront of technical education and research worldwide. JIT is the second venture of the Jansons Foundation in the field of education. JIT offers Bachelor's Degree programme in CSE, ECE, EEE, Mechanical Engg, Civil Engg and Masters Degree in VLSI, Power Electronics & Drives and Computer Science & Engineering in its most modern state-of-the art campus located 25 km away from Coimbatore on the Coimbatore-Chennai National Highway in Tamil Nadu. JIT has been promoted by the Jansons Business Group, a textile major with significant presence in granites and health care. JIT is approved by All India Council for Technical Education (AICTE) and the Government of Tamil Nadu and is affiliated to Anna University, Chennai.

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## ABOUT THE WORKSHOP

Nonlinear dynamical equations have a major role in various scientific and engineering fields, such as fluid mechanics, plasma physics, optical fibers, solid state physics, chemical kinematics, chemical physics and geochemistry.

Nonlinear wave phenomena of dispersion, dissipation, diffusion, reaction and convection are very important in nonlinear wave equations. In recent years, quite a few methods for obtaining explicit travelling and solitary wave solutions of nonlinear evolution equations have been proposed. This workshop aims to bring together leading academic scientists, researchers and research scholars to learn, to exchange and to contribute their knowledge, experiences and research results about all aspects of numerical methods and computational challenges in nonlinear dynamics.

## THEME OF WORKSHOP

- Bifurcation Theory
- Integrable Systems and Solitons
- Classical Deterministic Chaos
- Nonlinear Phenomena in Engineering Sciences
- Nonlinear Phenomena in Medical and Biological Sciences
- Hamiltonian and Quantum Chaos
- Nonlinear Optics
- Control of Chaos and Synchronization
- Time Series Analysis, and other Mathematical and Computational Approaches

## PAPER PRESENTATION

Theme: **Numerical Methods And Computational Challenges In Nonlinear Dynamics**

## PAPER SUBMISSION DETAILS:

One hard copy of the abstract typed on one side of A4 sheet in MS-Word (doc format) should be sent to the convener. The soft copy of the paper should be sent to the E-mail id**: nccn2017@gmail.com**

## IMPORTANT DATES:

| Details | Date |
|---|---|
| Last date for abstract Submission | 01.09.2017 |
| Notification of Selected Papers | 08.09.2017 |
| Last date for full paper submission | 15.09.2017 |

## REGISTRATION FEE

Faculty Members / Academicians **: Rs. 500**

Students/Research scholars/Others: **Rs. 300**

In case of DD, it should be taken in favour of

**The Principal,**

**Jansons Institute of Technology,**

Karumathampatti, payable at Coimbatore.