

10. Staff, News & Updates

CSIR Centre for Mathematical Modelling and Computer Simulation (CSIR CMMACS) was set up in 1988 with the mandate to develop expertise, excellence and facilities for undertaking major mathematical modelling and simulation problems in identified areas primarily of relevance to CSIR. CSIR CMMACS was repositioned in 2013 as CSIR Fourth Paradigm Institute (CSIR-4PI) to provide the country a unique positioning in the domain of computational and data intensive research powered by high performance computing and informatics research. One of the smallest of CSIR laboratories, CSIR4PI today is a young and vibrant institution of research.

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10.1

Staff List**Head**

Vidyadhar Y Mudkavi

Honorary Scientists

Dutt H N V
Gaur V K
Indira N K
Ravichandran K S
Sinha U N
Srinivas Bhogle
Swathi P S
Yajnik K S

Scientists

Anil Earnest
Anilkumar V
Ashapura Marndi
Ashish
Chiranjeevi Vivek
Gouda K C
Gyanendranath Mohapatra
Himesh S
Iranna Gogeri
Kantha Rao Bhimala
Parvez I A
Patra G K
Pavithra N R
Rajendran K
Rakesh V
Ramesh K V
Ramashan K
Sajani Surendran
Senthilkumar V
Sharada M K
Sridevi Jade
Thangavelu R P
Vijayan M S M

Project Monitoring and Evaluation

Sharada M K (additional charge)

Technical Officer

Prabhu

Technical Staff

Chandrashekara Bhat
Sita S
Stella Margaret A
Veeresh
Dileep Kumar P

Administration

Anilkumar Angadi
Balakrishna K R

Stores Purchase

Mary Suneetha William

DST Women Scientists

Chikka Kalyani Devasena
Neethu C

SRF/JRF/RA

Ajay Vijay Bankar
Aishwarya Pampathi
Bandesh
Dhananjay Kumar C
Gurulingappa
Jayashree Sridhar
Kanika Raghavendran Prasad Babu
Mahendra Vishnu Benke
Malini PJ
Nikhilasuma P
Priya Singh
Rani Devi
Reshama Kumari
Rameesh Raja
Smrati Purwar
Smrauthishree Lenka
Swetha S
Sumana Sarkar
Sunena Rose

Project Assistants/ Project SRF/JRF

Ajay Anand K V

Anjali Sathyanath

Asha Vincent

Devarkonda Aniladevi

Dilipbabu Loganathan

Jahnvi Meda

Pankaj Sharma

Pradeep Kumar Jha

Shruti S

Shyamasundar LB

Venkatesh Gouda PK

Vrinda Sharma

Dilip Babu Loganathan

Kavuri Meghana

10.2 Awards/Honours/Recognition

- **Anil Kumar V**
Awarded Ph.D by International Institute of Information Technology Bangalore (IIIT-B) for the thesis entitled “Feedback Manipulation in Next Generation Transport Layer Protocols: Emerging Threats and Countermeasures” in 2021.
- **Ashapura Marndi**
Awarded Ph.D by Academy of Scientific and Innovative Research (AcSIR) for thesis titled "Time Series Analysis with Deep Learning: Applications to Environmental Data", December 2020.
- **Senthilkumar V**
Keynote talk titled "Computational Solid Continuum Mechanics: Research and Challenges", at 2nd International Conference on Aeronautics and Beyond, on 21 August 2020.

10.3 Services on External Committees/Membership of Professional Bodies

- **Anil Earnest**
Member, American Geophysical Union (AGU)
Member, Society of Exploration Geophysicists (SEG)
Member, Society of Earth Scientists (SES), India
Associate Member, International GNSS Service (IGS)
Member, Asia Oceania Geosciences Society (AOGS)
Member, Seismological Society of America (SSA)
- **Anil Kumar V**
Member, Working Group for Zero Trust Architecture for Ministry of Electronics and Information Technology (MeitY)
Member, Project Review and Steering Group (PRSG), Ministry of Electronics and Information Technology (MeitY), Government of India
Member, Board of Studies for Computer Science and Engineering, Coimbatore Institute of Technology (CIT), Coimbatore, 2021
Mentor, Network Protocol Analysis Group, C R Rao Advanced Institute for Mathematics, Statistics and Computer Science (AIMSCS), Hyderabad
Head, Programmable Network Architecture Subcommittee of Zero Trust Architecture for Ministry of Electronics and Information Technology (MeitY)
Member, Promotion Assessment Committee for Technical Staff, National Aerospace Laboratories (NAL), Bangalore, 2021
Member Promotion Review Committee of Scientists, C-DAC Bangalore
Member, Advisory committee for enhancement of High Performance Computing facility, CR Rao AIMSCS, Hyderabad
Member, Technical Expert Group for IT Infrastructure Procurement and Implementation, Kidwai Memorial Institute of Oncology, Bangalore
Member, Performance evaluation committee, C-DAC, Bangalore
Member, Internet Society (ISOC)
Life Member, Computer Society of India
- **Gouda K C**
Member in the High Impact Weather Project (HIWeather) of the World Meteorological Organization
Life Member, Indian Meteorological Society

Life Member, Indian Society of remote sensing
 Member, High-Weather Project of World Meteorological Organization
 Executive member, India Meteorological Society, Bangalore Chapter
 Member, Indo-Africa group on Research on vector borne disease
 Member, MoES Committee for Long Range Forecast of Monsoon
 Member, Advisory Board, Dept. of CSE, Dayananda Sagar college of Engineering, Bangalore
 Member, Board of Studies, Dept. of MCA, Dayananda Sagar University, Bangalore
 Member, Board of Studies, School of Computer Science, Jain University, Bangalore
 Member, M.Tech Thesis Evaluation Committee, VTU
 Member, M.Tech Examiner, VTU
 Member, Doctoral Committee, VTU
 Member, Doctoral Committee, Jain University
 Member, PhD thesis Evaluation Committee, Andhra University, AP
 Member, M.Sc examiner, Berhampur University, Odisha
 Member, Project review committee (PRC), DSIR-PRISM
 Advisory Member, Tropmet-2019 held at Andhra University
 Advisory Member, COAST-2020 held at Berhampur University

- **Himesh S**

Life Member, Indian Meteorological Society
 Life Member, IAEM
 Life Member, Institution of Engineers

- **I.A. Parvez**

International reviewer, Russian International Affairs Council (RIAC), the review board of Russian Science Foundation (RSF) to participate in the peer review of scientific projects submitted to RSF competition.
 Member, Editorial Board, Dataset Papers in Geosciences: Datasets International, New York, USA
 Member, Task Force of Bureau of Indian Standards Map Subcommittee, CED 39:4, Government of India to prepare a Probabilistic Seismic Hazard Map of India.
 PhD Examiner, Indian School of Mines, Dhanbad and IIT Roorkee
 Member, Selection committee of CSIR NAL, to select the PhD students for AcSIR to bring innovative and scientific achievements to the Institute.
 Member, Hindi Technical Advisory Committee of CSIR NAL.

- **Patra G K**

Associate Dean, Mathematical Information Sciences of AcSIR
 Member, Senate of Academy of Scientific and Innovative Research
 Member, Industrial Advisory Board, School of Computer Science and Engineering, Vellore Institute of Technology.
 Member, CSIR SRF/RA Selection committee in the area of “Electrical, Electronics, Instrumentation Computer Engineering Sciences (ENG-43)”
 Member Selection Committee, National Centre for Disease Informatics and Research, Indian Council of Medical Research.
 Member, Technical Expert Group for IT Infrastructure Procurement and Implementation, Kidwai Memorial Institute of Oncology, Bangalore.
 Member, Committee to select best thesis award of AcSIR under the physical sciences.

Member, Technical Committee, IEEE Third International Conference on "Multimedia Processing, Communication information Technology.

Member, Program Committee, International Conference on Information Processing (ICInPro-2021)

- **Rajendran K**

Associate Editor, Journal of Earth System Sciences, Indian Academy of Science

Member, Scientific committee, Kerala State Planning Commission, Govt. of Kerala

Member, Board of Studies in Atmospheric Sciences, Cochin University of Science & Technology, Cochin, Kerala.

Subject expert member, Faculty selection committee, Department of Atmospheric Sciences, CUSAT, Kerala

Subject expert member, Faculty selection committee, Department of Environmental Sciences, CUSAT, Kerala

Member, examination board, CSIR Fellowship.

Member, Working group of National Monsoon Mission, MoES, GoI.

Executive Council Member, Indian Meteorological Society.

Life Member, Indian Meteorological Society.

- **Rakesh V**

Life Member of Indian Meteorological Society

- **Sajani Surendran**

Member, Working group of National Monsoon Mission, MoES, GoI.

Member, Working Group III, National Carbonaceous Aerosol Project, MoEFCC, GoI.

Life Member, Indian Meteorological Society.

- **Sridevi Jade**

Life Member, Indian Geotechnical Society.

Life member, Indian Geological Congress.

Member, Indian Science Congress.

Member, International Society of Soil Mechanics and Foundation Engineering.

Founder Life Member, Indian Society of rock mechanics and tunneling technology.

Associate Member, International GNSS Service (IGS).

- **Thangavelu R P**

Life Member, Computer Society of India.

Life Member, Cryptology Research Society of India.

Member, Cloud Computing Innovation Council of India.

Member, Expert Group on Infrastructure, National Supercomputing Mission, GoI.

Member, Executive Committee, Karnataka State Natural Disaster Monitoring Centre, Bangalore.

Member, Technical Expert Group for IT Infrastructure Procurement and Implementation, Kidwai Memorial Institute of Oncology, Bangalore.

Member, Technical Evaluation Committee for procurement of HPC system for Indian Institute of Technology, Dharwad.

Member, Technical Evaluation Committee for procurement of HPC system for Gas Turbine Research Establishment, Bangalore.

- **Vidyadhar Y Mudkavi**

Member, Executive Board, National Supercomputing Mission (NSM).

Chairman, Technical Evaluation Committee (TEC), Cloud Aerosol Interaction and Precipitation Enhancement Experiment (CAIPEEX), Indian Institute of Tropical Meteorology (IITM), Pune.

Chairman, Technical Advisory Committee (TAC), UAV Development for Atmospheric Measurements, IITM Pune.

Co-Chairman, Interdisciplinary Committee for Tejas Wake Clearance, Aeronautical Development Agency (ADA), Bengaluru.

Secretary, Trust for Advancement of Aerodynamics in India (TAAI), Bengaluru.

Member, National Advisory Committee, CAIPEEX, IITM, Pune.

Member, Technical Advisory Panel (TAP) for various departments of Government of Karnataka.

Member, Expert Committee, eVidhana, Government of Karnataka.

Life member, Aeronautical Society of India (AeSI).

Member, Indian Academy for Mathematical Modeling and Simulation (IAMMS).

Member, Computer Society of India.

Fellow, The Institution of Engineers (India).

- **Vijayan M S M**

Member, American Geophysical Union (AGU)

Member, European Geophysical Union (EGU)

Associate Member, International GNSS Service (IGS)

10.4 Promotions

- **Smt. M.K. Sharada** promoted as Chief Scientist
- **Dr. Sajani Surendran** promoted as Sr. Principal Scientist
- **Shri. Chiranjeevi Vivek** promoted as Sr. Scientist