

STAFF NEWS & UPDATES

CSIR Centre for Mathematical Modelling and Computer Simulation (CSIR C-MMACS) 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 C-MMACS 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, CSIR-4PI today is a young and vibrant institution of research.

Vision: To provide modeling, simulation and data intensive capability powered by high performance computing and informatics research

Mission: Develop knowledge products in earth system and information sciences for societal good by exploiting modeling, simulation and data science capabilities

Objectives

To develop capability for addressing critical issues of scientific significance and social benefit

To enhance the scope and strength of mathematical modeling through development of new techniques/algorithms etc

To train and develop high-quality man-power in the area of Mathematical Modeling and Computer Simulation

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CSIR-4PI Staff List

Head

Vidyadhar Y Mudkavi

Honorary Scientist

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

Scientist

Anil Earnest
Anilkumar V
Ashapura Marndi
Ashish
Chiranjeevi Vivek
Gouda K C
Gyanendranath Mohapatra
Himesh S
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)
Suchanda Ray

Technical Officer

Prabhu
Suchanda Ray

Technical Staff

Chandrashekara Bhat
Dileep Kumar P
Sita S
Stella Margaret A
Veeresh

Administration

Anilkumar Angadi
Balakrishna K R
Sathyanarayana K

Stores & Purchase

Mary Suneetha William

DST Women Scientist

Chikka Kalyani Devasena

SRF/JRF

Ajay Vijay Bankar
Arya V B
Iraganeni Rajasekhar Reddy
Jayasankar C B
Shimna K
Silpa K
Stella Jes Varghese
Sunil Kumar T C

Project Assistants

Ajilesh P P
Ankit
Neethu C
Payoshini Samantray
Praveen S
Ramees Raja Mir
Sanjeeb Kumar Sahoo
Suraj Ravindran
Vishal Gupta S

Awards/Honours/Recognition

PhD Awarded

Kantha Rao Bhimla, Scientist
Sushant Shekhar, AcSIR

Honours/Recognition

Sithartha Muthu Vijayan M, Chief Guest, Inaugurated National Science day celebrations 2018, Sri Ramakrishna College of Arts and Science, Coimbatore

K C Gouda, delivered invited talk in the International round table on the impact of extreme natural events: Science & Technologies for Mitigation (IRENE), Colombo, Srilanka, December 13-15, 2017

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

Invited Member, Advisory Committee for Society for Electronics Transaction and Security (SETS) Chennai
Member, Project Review and Steering Group (PRSG), Ministry of Electronics and Information Technology (MeitY), Government of India
Mentor, Network Protocol Analysis Group, C R Rao Advanced Institute for Mathematics, Statistics and Computer Science (AIMSCS), Hyderabad
Member, Technical Expert Group for IT Infrastructure Procurement and Implementation, Kidwai Memorial Institute of Oncology, Bangalore
Member, Expert Committee for Supercomputing Facility for Cryptanalysis at CR Rao Advanced Institute of Mathematics, Statistics and Computer Science
Member, Internet Society (ISOC)
Member, Program Committee, National Conference on Parallel Computing Technologies, PARCOMPTECH- 2017
Life Member, Computer Society of India
Member, Assessment Committee, CSIR-NAL, Bangalore
Member, Assessment Committee, CSIR-NIO, Goa
Member, Selection committee C-DAC, Bangalore
Member, Thesis Evaluation Committee, Center for Cyber Security, Amrita Vishwa Vidyapeetham, Coimbatore
Member, Assessment Committee, C-DAC, Bangalore
Nodal Officer, CSIR wide private IP scheme implementation

Himesh S

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

K C Gouda

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, Belagavi
Member, Doctoral Committee, VTU, Belgavi
Member, Doctoral Thesis Evaluation Committee, Maharishi Markandeshwar University, Mullana-Ambala
Member, Doctoral Committee, Jain University

Parvez I A

PhD Examiner, Indian School of Mines, Dhanbad, Indian Institute of Technology, Kanpur
Member, Advisory Committee, Reviewing Committee of Scientific Projects, National Institute of Rock Mechanics (NIRM), Kolar
Member, Hindi Technical Advisory Committee (HTAC) of NAL
Member, Technical Expert Committee of Karnataka State Natural Disaster Monitoring Centre (KSNDMC), Department of Science and Technology, Government of Karnataka
Life Member, Indian Society of Earthquake Technology
Life Member, Indian Society of Earthquake Science

Patra G K

Associate Dean, Mathematical & Information Sciences of AcSIR
Member, Senate of Academy of Scientific and Innovative Research
Member, Empowered Technical Committee, Centre for Modelling Simulation and Design, University of Hyderabad
Member, Industrial Advisory Board, School of Computer Science and Engineering, Vellore Institute of Technology
Member Selection Committee, for recruitment of Scientist "C" for 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
AcSIR Senate sub-committee for reinstatement of academic program of CSIR-NISCAIR
Member, Board of Studies, Government Science College, Bangalore

Rajendran K

Associate Editor, Journal of Earth System Sciences, Indian Academy of Science
Member, Working Group on Climate Change, Kerala State Planning Commission, Govt. of Kerala
Member, Board of Studies in Atmospheric Sciences, Cochin University of Science & Technology, Cochin, Kerala
Member, Scientific and Academic Council, Institute for Climate Change Studies, Department of Environment, Govt. of Kerala
Invited Session Chair, Kerala Science Congress
Executive Council Member, Indian Meteorological Society
Life Member, Indian Meteorological Society

Rakesh V

Life Member, Indian Meteorological Society
Joint secretary, Indian Meteorological Society Bangalore Chapter

Sajani Surendran

Life Member, Indian Meteorological Society

Member, Working Group III, National Carbonaceous Aerosol Project, Ministry of Environment and Forests

Senthilkumar V

Life Member, Indian Association of Computational Mechanics (IndACM)

Life Member, Indian Society for Advancement of Materials and Processing Engineering (ISAMPE)

Associate Member, Institute of Nanotechnology, UK

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)

R P Thangavelu

Life Member, Computer Society of India

Life Member, Cryptology Research Society of India

Member, Executive Committee, Karnataka State Natural Disaster Monitoring Centre

Member, Cloud Computing Innovation Council of India

Member, Expert Group on Infrastructure, National Supercomputing Mission

Member, Technical Expert Committee for procurement of HPC cluster, Aeronautical Development Agency

Member, Data Center Implementation Monitoring Committee, TUE-CMS, SSCU, Indian Institute of Science

Member, Cyber Security and IT Policy Committee, CSIR National Aerospace Laboratories

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

Member, Technical Evaluation Committee for procurement of Supercomputers under NSM, Indian Institute of Science, Bangalore

Member, Technical Evaluation Committee for Augmentation and upgradation of the shore station facility in Ocean Observation Systems, National Institute of Ocean Technology, Chennai

Vidyadhar 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 Govt of Karnataka

Member, Expert Committee, eVidhana, Govt 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)

Deputation

K C Gouda, participated and delivered invited talk on Advance forecasting capability of hydro-meteorological disasters in the International round table on The Impact of Extreme Natural Events: Science & Technologies for Mitigation (IRENE), Colombo, Srilanka, December 13-15, 2017

Sanjeeb K Sahoo, participated and presented paper in the 2nd Conference on Impact of Environmental Changes on Infectious Diseases, Trieste, Italy, May 8-19, 2017

Ramees R Mir, attended and presented a paper in 79th EAGE Conference and Exhibition at Paris, France during June 12-15, 2017

S Vishal Gupta, attended and presented a paper in the International Workshop on Earthquakes and Tsunami: Modeling and Observation by ICTP, Italy in Hanoi, Vietnam, December 11-22, 2017