ICFW-2026

International Conference on AI-Driven Mathematical Modeling in Fluid Dynamics and Weather Prediction for Environmental Sustainability

CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE | DELHI NCR | PUNE

International Conference on AI-Driven Mathematical Modeling in Fluid Dynamics and Weather Prediction for Environmental Sustainability (ICFW-2026)

Advancing Mathematical Intelligence for Earth, Environment and Engineering Systems

2nd to 4th Dec, 2026

Hybrid Mode

Organized by

Department of Sciences and Humanities
CHRIST (Deemed to be University), Kengeri Campus
Bengaluru

Click to Register

https://icfw2026.christuniversity.in

CONTACT US
icfw@conference.christuniversity.in

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International Conference on AI-Driven Mathematical Modeling in Fluid Dynamics and Weather Prediction for Environmental Sustainability

Host Institution and Department

CHRIST
(DEEMED TO BE UNIVERSITY)
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ABOUT CHRIST UNIVERSITY

CHRIST (Deemed to be University) was born out of the educational vision of St Kuriakose Elias Chavara, an educationist and social reformer of the nineteenth century in South India. He founded the first Catholic indigenous congregation, Carmelites of Mary Immaculate (CMI), in 1831, which administers CHRIST (Deemed to be University). Established in 1969 as Christ College, it undertook path-breaking initiatives in Indian higher education by introducing innovative, modern curricula; insisting on academic discipline; imparting holistic education; and adopting global higher education practices, supported by creative and dedicated staff. The University Grants Commission (UGC) of India conferred Autonomy to Christ College in 2004 and identified it as an Institution with Potential for Excellence in 2006. In 2008, under Section 3 of the UGC Act, 1956, the Ministry of Human Resource Development of the Government of India declared the institution a Deemed to be University, in the name and style of Christ University. One of the first institutions in India to be accredited in 1998 by the National Assessment and Accreditation Council (NAAC), Government of India, and subsequently in 2004, 2016, and 2022, CHRIST (Deemed to be University) is currently accredited with 'A+' Grade.

The multi-disciplinary University, which focuses on teaching, research and service, offers Bachelor, Master and Doctoral programmes in humanities, social sciences, sciences, commerce, management, engineering, architecture, education, and law to about 30000 students. The University offers its programmes at four campus locations in Bangalore, Karnataka; Lavasa, Pune, Maharashtra; and Ghaziabad, Delhi NCR. The campus is a living example of harmonious multiculturalism with students from all the states and union territories and around 60 different countries. A promoter of sports, music and literary activities, all its campuses are a nurturing ground for creative excellence.

Please visit https://christuniversity.in/ for more details.

ABOUT THE DEPARTMENT OF SCIENCES AND HUMANITIES

Since its inception in 2010, the Department of Sciences and Humanities has aimed to foster curiosity in science among engineering students at CHRIST (Deemed to be University) and help them understand the fundamentals of Chemistry, Physics, Mathematics, English, and Soft Skills. The department has well-qualified staff with research experience and international exposure. Well-equipped laboratories are available for conducting experiments in Science for cutting-edge research.

The department has state-of-the-art facilities to guide doctoral students in pursuing their dream of completing a PhD in Physics, Chemistry, Mathematics, and English. A well-planned, up-to-date doctoral program is supported by professors through regular seminars, invited talks, and research publications, along with holistic supervision of the emotional development of talented research scholars.

https://icfw2026.christuniversity.in

Click here to submit Abstract

Click here to make payment

Click here to register

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About ICFW - 2026

CHRIST
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ABOUT THE CONFERENCE

The main objective of the conference is to explore various applications of Mathematics in the emerging development of Artificial Intelligence. From mathematical modelling and high-performance computation to AI-driven prediction, this conference delves into modern arena of Applied Mathematics which can address real-world challenges. With a special focus on environmental sustainability, the event brings together brilliant minds from the globe to shape future-ready solutions through interdisciplinary research. This conference emphasizes applications in environmental sciences such as modelling and predicting climate behavior, simulating ecosystem dynamics.

The conference aims to bring together researchers, academicians and industrial experts to explore recent developments at the intersection of Computational Mathematics. Applied Modelling and Artificial Intelligence. It is providing a platform for presenting innovative ideas driven by artificial intelligence and mathematical frameworks that address complex, real-world challenges across disciplines. The organizers invite original and unpublished research articles from academia, industry experts, and research scholars, including students, for presentation in broad thematic areas.

KEY TOPICS

Main themes of the conference are based on (but not limited to) the following topics

- **Advances in AI-based Climate Prediction**
- **Artificial Intelligence and Machine Learning in Cloud Physics**
- **Numerical Weather Prediction**
- **Quantum Computing Algorithms**
- **Fluid Mechanics**
- **Heat and Mass Transfer**
- **Porous Media Flow**
- **Biomathematics**
- **Stochastic Models**
- **Stochastical Differential equation**
- **Graph Theory**
- **Mathematical Modeling**
- **Fixed Point Theories**
- **Special Functions**

Last date of abstract submission	**2 Nov 2026**
Notification of acceptance of abstract	**9 Nov 2026**
Last date of registration (Including Payment of Fee)	**12 Nov 2026**
Last date of registration for the conference (Attending Only)	**16 Nov 2026**

REGISTRATION

Academicians, Research scholars, Industrial professionals and Students from any part of the world are invited to participate in the conference. All participants need to pay the appropriate registration fee and register through the registration portal.

Interested participants willing to present their research work, must prepare a **One – page** abstract of the proposed presentation in the prescribed format, and submit through the web link during the registration process. Only limited number of abstracts will be selected for presentation based on available slots and merit of the abstract.

All abstracts accepted for presentation will be published in the conference proceedings with an **ISBN**. The published proceedings will be available to all the participants.

Papers presented in the conference will be recommended for inclusion in *Scopus indexed / WoS* journals / book chapters, subject to meeting the scope, quality and financial requirements of the journal.

The corresponding announcement in this regard will be periodically updated on this website.

Those who are interested to participate/present paper are requested to fill-in the Registration form.

The abstract should be submitted in the prescribed format as given in the conference website and the author name who is presenting it in the conference should be underlined.

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About ICFW - 2026

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Senior Scientist ,
Swedish Meteorological and Hydrological Institute &
World Meteorological Organization PoC, Sweden
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Research Scientist,
Karlsruhe Institute of Technology (KIT), Germany
Dr. Pramit Deb Burman
Scientist,
Indian Institute of Tropical Meteorology (IITM),
Pune, India
Dr. Abhishek Lodh
Scientist,
Ministry of Earth Science (MoES), Noida, India
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Ahmedabad University, India
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Kuvempu University, Shimoga, India

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Dr. Shilpashree S P
Head
Department of Sciences and Humanities,
CHRIST University, India

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Ms. Manaswini R, Bangalore Kengeri Campus, CHRIST University, India
Ms. Damy Shibu P, Bangalore Kengeri Campus, CHRIST University, India
Ms. Vidyashree B N, Bangalore Kengeri Campus, CHRIST University, India

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Tentative List of Conference Speakers

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Dr. Swapan Mallick
Senior Scientist
SMHI & WMO PoC, Sweden



Dr. Abhishek Lodh
Scientist
Ministry of Earth Sciences (MoES),
Noida, India



Dr. Ismail Naci Cangul
Professor
Bursa Uludag University
Bursa, Turkey



Dr. (Prof.) Mehdi Eshagh
Numerical Weather Prediction and Satellite Expert
SMHI / Swedish Meteorological and Hydrological Institute and
Department of Applied Geomatics
University of Sherbrooke, Canada



Dr. Manjil Saikia
Assistant Professor,
Ahmedabad University, India



Dr. Mohamad Nazri Husin
Associate Professor
University of Malaysia



Dr. Parthanil Roy
Professor,
IIT Bombay, India



Dr. Sreekar Vadlamani
Associate Professor,
TIFR (CAM), Bengaluru, India



Dr. Fuxing Wang
Climate Science Expert
Research Scientist
SMHI / Swedish Meteorological and Hydrological Institute, Sweden



Dr. Giovanni Conti
Research Scientist
CMCC Foundation
IESP – Institute for Earth System Predictions
ESYDA – Earth System Modeling and Data Assimilation, Bologna, Italy



Dr. Michele Celli
Associate Professor
Department of Industrial Engineering, Università di Bologna, Italy

Registration and Important Information

Kindly note that registration fee is non-refundable. Participants are advised to take a copy of the payment confirmation page of the bank for their future use.
An email confirming the receipt of Registration Fee may be sent from the organizers.

Participants Category	National in Rupees	International in Dollars
Students (UG/PG)	₹500	$ 05
Research Scholars / Post Doc Fellows	₹800	$ 10
Academicians / Scientists	₹1,200	$ 15
Industrial Professionals	₹2,000	$ 25

** All the amounts in Rupees are inclusive of GST*

Abstract Submission link: https://forms.gle/fuZm9xyYakLS1thE8

Participants/Presenters must pay the registration fee using this Payment link

Payment link: https://feebook.southindianbank.com/FeeBookUser/org?id=323

Registration link: https://forms.gle/fuZm9xyYakLS1thE8

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Contact Details

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icfw@conference.christuniversity.in

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Associate Professor
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02-04 December, 2026

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CHRIST (Deemed to be University),
Kengeri Campus
Bengaluru