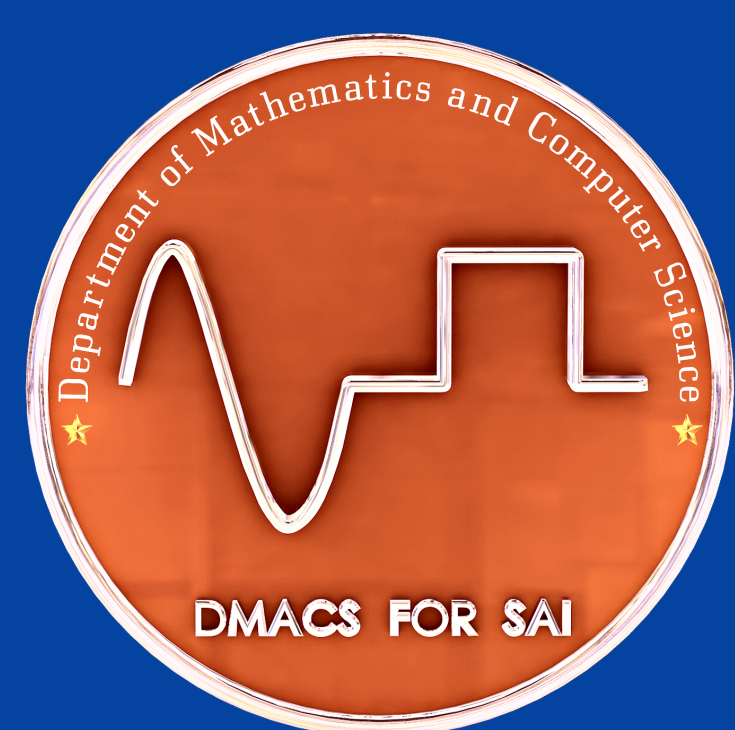




DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE (DMACS),
SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING (SSSIHL)
INVITES YOU TO-

INDO-US CONFERENCE - II
ON
THE SCIENCE OF MATHEMATICAL
MODELING, AND DECISION-MAKING:
A CHANGING TRAJECTORY INTO THE
FUTURE, FROM PAST TO POST
COVID-19 PANDEMIC



**Organised
by:**

DEPARTMENT OF MATHEMATICS
AND COMPUTER SCIENCE

Dates October 28th - 30th, 2021

Venue MMLC, Prasanthi Nilayam
Campus, SSSIHL

Mode Online/Virtual

Register [Online Application Form](#)

**FOCUS – TO DISCUSS THE CHALLENGES AND OPPORTUNITIES IN
MATHEMATICAL MODELING MOVING FORWARD POST COVID-19
PANDEMIC.**

**THIS INDO-US CONFERENCE IS THE SECOND ONE IN THE INDO-US
WORKSHOP/CONFERENCE SERIES STARTED IN 2018**

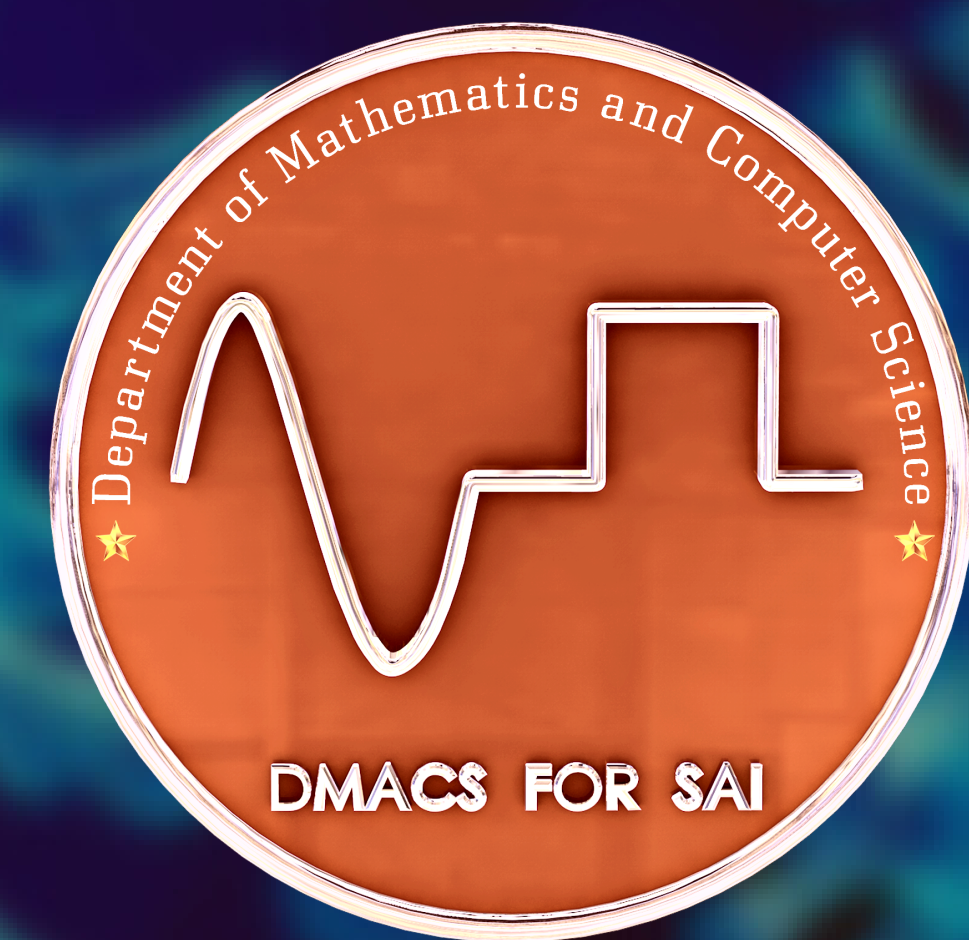
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INDO-US CONFERENCE - II ON



THE SCIENCE OF MATHEMATICAL MODELING, AND DECISION-MAKING:



A CHANGING TRAJECTORY INTO THE FUTURE, FROM PAST TO POST COVID-19 PANDEMIC

October 28th - 30th, 2021

Welcome Remarks: Dr. Krishna Kiran Vamsi Dasu, SSSIHL

Introductory Remarks: Dr. Anuj Mubayi, PRECISIONheor; Illinois State University

Inaugural Address: Dr. C. B. Sanjeevi, Vice-Chancellor, SSSIHL

Plenary Address

Dr. Sudha Seshayyan, Vice-Chancellor, The Tamil Nadu Dr. MGR Medical University

Keynote Speakers

USA

Dr. Olcay Akman,
Illinois State University, Normal

Dr. Zhilan Feng,
Purdue University, West Lafayette

Dr. Aditi Ghosh,
Texas A&M University, Commerce

Dr. Alun Lloyd,
North Carolina State University, NC

Dr. Maia Martcheva,
University of Florida, Gainesville

Dr. Edwin Michael,
University of South Florida, Tampa

Dr. Padmanabhan Seshaiyer,
George Mason University, Fairfax

Dr. Guo-Wei Wei,
Michigan State University, Michigan

Dr. Maira Aguiar,
Basque Center for Applied Mathematics, Spain

Dr. Roxana Lopez Cruz
Universidad Nacional Mayor de San Marcos,
Peru

Keynote Speakers

INDIA

Dr. Ashish Awasthi,
Public Health Foundation of India, Delhi

Dr. Malay Banerjee,
Indian Institute of Technology, Kanpur

Dr. Vijay M Bhagat,
Central Leprosy Teaching and Research
Institute, Chennai

Dr. Sudipa Chauhan,
Amity University, Noida

Dr. Krishna Kiran Vamsi Dasu,
SSSIHL, A.P.

Dr. B V Rathish Kumar,
Indian Institute of Technology, Kanpur

Dr. Gautam Menon,
Ashoka University, Haryana

Dr. Raghunatha Sarma
SSSIHL, A.P.

Dr. Srinivas,
The Tamil Nadu Dr. MGR Medical University,
Chennai

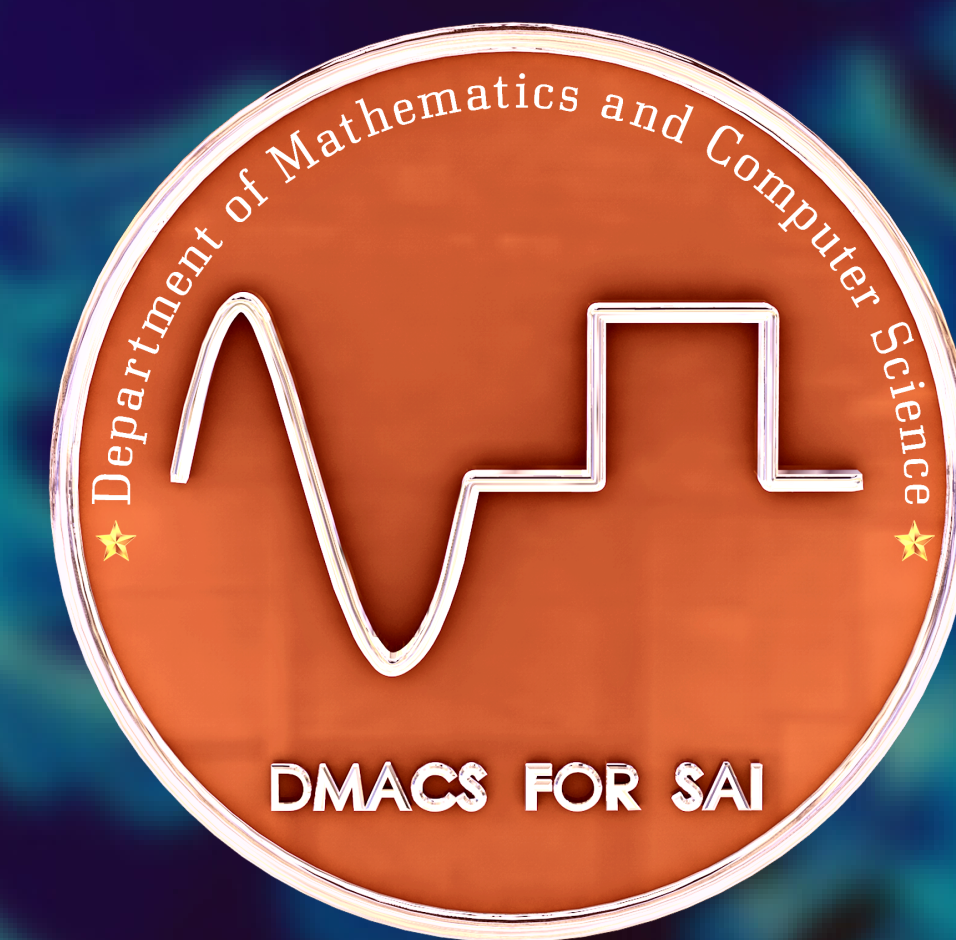
Dr. Dharmendra Tripathi,
NIT Uttarakhand, Uttarakhand

Dr. Jai Prakash Tripathi,
Central University of Rajasthan, Rajasthan

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October 28th - 30th, 2021

Panel Discussion

Theme - The Hard Lessons from Modeling COVID-19 Dynamics and Health Policies

Dr. Mac Hyman
Tulane University,
New Orleans, Louisiana

Dr. Kavita Kachroo,
Kalam Institute of Health
Technology, A.P.

Dr. Ravishankar Ramachandran,
CSIR-Central Drug Research
Institute, U.P.

Dr. Brian Wahl,
John Hopkins, U.S.A

Dr. Jianhong Wu,
York university, Canada

Moderators:

Dr. Anuj Mubayi, PRECISIONheor
Dr. B V K Bharadwaj, SSSIHL

Conference topics

This conference features some of the
topics such as

- *Novel epidemic modeling methods*
- *Advances in modeling of in-host infection dynamics and immunology of infectious diseases*
- *Health economics and Decision analysis for COVID-19*
- *Transformations in pedagogical techniques and professional opportunities in modeling due to pandemic*

Eligibility

We invite faculty, scholars, students, practitioners and scientists from the industry working in epidemic modeling.

Call for Papers

Original research work is invited from the participants for the oral presentation in the broad areas of scientific themes related to the topics of the conference. The abstract of the paper (and all enquiries) must be submitted via email to

events.dmacs@sssihl.edu.in by 26th October 2021.

Papers selected after due peer review process will be published in a special issue in Computational and Mathematical Biophysics journal (CMB). CMB is indexed in SCOPUS and MathSciNet.

Organising Committee

Dr. Krishna Kiran Vamsi Dasu,
DMACS, SSSIHL,
INDIA

Dr. Anuj Mubayi,
PRECISIONheor;
Illinois State University,
USA

Technical Committee

Dr. Raghunath Sarma,
SSSIHL, A.P.

Dr. Pallav Kumar Baruah,
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Dr. S Balasubramanian,
SSSIHL, A.P.

Dr. N Uday Kiran,
SSSIHL, A.P.

Dr B V K Bharadwaj,
SSSIHL, A.P.

Dr. Avadesh Kumar,
SSSIHL, A.P.

Dr. Surabhi Pandey,
Indian Institute of Public Health,
Delhi

Dr. Prashant K Srivastava,
IIT, Patna

Dr. B S R V Prasad,
Vellore Institute of Technology,
Vellore