

International Conference on Mathematical Modelling in Applied Sciences (ICMMAS2020) June 28-30, 2020

Organized by
Department of Mathematics, Dibrugarh University

Day I: 28 JUNE, 2020 (SUNDAY)

INAUGURAL SESSION: 9:30 AM-9:45 AM (IST)

PLENARY SESSION I: 9:50 AM-10:40 AM

Speaker : **Prof. G. P. Raja Sekhar**
Topic : Mathematical modelling of tumor growth and mechanical behaviour
Chair : Prof. G. C. Hazarika

PLENARY SESSION II: 10:50 AM-11:30 AM

Speaker : **Prof. P. Chatterjee**
Topic : Damped KdV and forced KdV equation in plasma
Chair : Prof. P.N. Deka

PLENARY SESSION III: 11:40 AM-12:30 PM

Speaker : **Prof. H. S. Ramane**
Topic : Graphs Equienergetic with Their Complements
Chair : Prof. A. K. Baruah

PLENARY SESSION IV: 12:40 PM-1:30 PM

Speaker : **Prof. O. D. Makinde**
Topic : Modelling heat transfer enhancement of MHDnanofluid flow past a stretching/shrinking slippery surface
Chair : Prof. B. R. Sharma

(Lunch Break: 1:30 PM-2:30 PM)

Technical Session I: 2:30 PM-4:00 PM

Technical Session II: 4:15 PM-5:45 PM

Technical Session III: 6.30 PM – 7.30 PM

DAY II:29JUNE, 2020 (MONDAY)

PLENARY SESSION V: 8:30 AM-9:20 AM

Speaker : **Prof. Oscar Castillo**
Topic : Optimization of Type-2 Fuzzy Systems: Theory and Applications
Chair : Prof.TazidAli

PLENARY SESSION VI: 10:30 AM-11:20 AM

Speaker : **Prof.Natesan Srinivasan**
Topic :Numerical Simulation of Burger's and Navier-Stokes Equations using Moving Meshes
Chair : Prof. P. N. Deka

PLENARY SESSION VII: 11:30 AM-12:20 PM

Speaker : **Prof.Madhumangal Pal**
Topic : Modelling of ecosystem using graph theory
Chair : Prof. S. C. Kakoty

INVITED SESSION VIII: 12:30 PM-1:10 PM

Speaker : **Prof.SurajitBorkotokey**
Topic : From Egalitarian to Marginal value: The Role of Solidarity in Cooperative Games
Chair : Prof. S. Chakraborty

(Lunch Break : 1:15 PM-2.30 PM)

Technical Session IV: 2:30 PM-4.00 PM

Technical Session V: 4.15 PM-5:45 PM

Technical Session VI: 6.30 PM – 7.30 PM

DAY III:30 JUNE, 2020 (TUES DAY)

INVITED SESSION IX: 9:50 AM-10:30 AM

Speaker : **Prof. Dipak Kumar Jana**
Topic : Type-1 and Type- 2 fuzzy logic Inference systems and its application in polypropylene business
Chair : Prof.J. Hazarika

INVITED SESSION X: 10:40 AM-11:20 AM

Speaker : **Dr.HironmoyMondol**
Topic :Spectral quasi-linearization method for fluid dynamics problems in non-linear differential equations
Chair : Prof. G. C. Hazarika

INVITED SESSION XI: 11:30 AM-12:10 PM

Speaker : **Prof.Tazid Ali**
Topic : On some group structures of the Genetic Code
Chair : Prof. A. K. Baruah

Technical Session VII: 12:20 PM-1:30 PM

(Lunch Break: 1:30 PM-2:30 PM)

INVITED SESSION XII 2:30 PM-3:10 PM

Speaker : **Dr.ManjilSaikia**
Topic : Hard and Easy Instances of L-Tromino Tilings
Chair : Prof.SurajitBorkotokey

Technical Session VIII: 3:20 PM-4:50 PM

Technical Session IX: 5:00 PM – 6.30 PM

Valedictory