

9th Symposium on CCIS 2014

Department of Mathematics CIIT Abbottabad has arranged its 9th **Symposium on Computational Complexities, Innovations and Solution** on **May 12-13, 2014**, as a series of its symposia from 2006, under the umbrella of **TECHNOMOOT**.

More than 100 faculty members and PhD scholars from many universities of Pakistan has participated in the symposium and speakers have presented their research work from many branches of Mathematics and allied subjects. Name of some of their universities are: CIIT Islamabad, CIIT Wah, CIIT Attok, CIIT Lahore, Allama Iqbal Open University, Air University Islamabad, NUST Rawalpindi, Bahria University Islamabad, GCU Faisalabad, GCU Lahore, HITEC Taxila, Islamia College Peshawar, National Textile University Faisalabad, University of Malakand, University of Swat, University of Gujrat, University of Sargodha, Riphah International University, Govt Post Graduate College Haripur, Govt Post Graduate College Abbottabad.

Chair:

Prof. Dr. Gul Zaman

Prof. Dr. Tasneem M. Shah

Prof. Dr. M. Afzal Rana &

Prof. Dr. Dost Muhammad

Prof. Dr. Mir Asad Ullah

Speakers:

- Prof. Dr. Tasneem M. Shah
Flow Control Through Synthetic Jet on Actuators on Specific Aeroplane Wing-Predicted by Solving Time Dependent Two Dimensional NSEs.
- Prof. Dr. Gul Zaman
Some Mathematical Models in Biology and Optimal Control
- Dr. Shumaila Javeed
Parametric Study of Some Thermal Effects in Reactive Liquid Chromatography
- Dr. Salman Malik
Digital Image Restoration Based on Non-Local Partial Differential Equations
- Mr. Saqib Zia
Numerical Investigation of Single and Two Phase Shallow Flows
- Dr. Rashid Mahmood
Feat Flow-An Open Source of Finite Element based software CFD/CSM Simulation
- Dr. Yousaf Bhatti
Introduction of Brain and Effect of Localized External Input in Two Population in Neural Field Model
- Ms. Shahzadi Mobeen
Numerical Approximation of Cellular Process in Biology System
- Dr. Adeel Farooq
Computation in the Sporadic Simple Groups
- Dr. Abdul Wahab
Mathematical Algorithms for Photoacoustic Imaging

- Dr. M. Jamil Amir
Symmetry in Teleparallel Theory of Gravity
- Ms. Nosheen Zareen
Numerical solution of thin film steady MHD flow of a Johnson-Segalman fluid on a vertical surfaces
- Ms. Hira Ilyas
A Numerical Treatment of Arterial Blood Flow
- Dr. Nasir Rehman
Sensitivity Analysis of the Optimal Exercise Boundary of American Option
- Mr. Hassan Shah
Non-Spherical Gravitational Collapse
- Mr. Najam ul Basat
Formation of Wheeler-DeWitt Equation through canonical quantization technique
- Mr. Waqar Mehmood
Algebraic Linearization Criteria for System of Ordinary Differential Equations
- Ms. Areej Mukhtar
The Soft Computing Approach to the Multi-Pantograph Differential Equation
- Mr. Ziaullah Khan
“A Man Who is Mathematics” “The Master of us All ” *Lenhard Euler (1707-1783)*
- Dr. Gholam Roqia
On Average Values of Convex Functions
- Ms. Sadia Siddique
Singular Invariants for Second-Order ODEs
- Dr Muhammad Ayub
Symmetry Approach for System of ODEs