

INTERNATIONAL CONFERENCE ON SOFT COMPUTING  
AND MATHEMATICAL MODELLING

ICSCMM-17

22<sup>nd</sup> & 23<sup>rd</sup> DECEMBER 2017

Organized by  
Department of Applied Sciences



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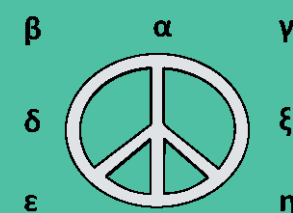
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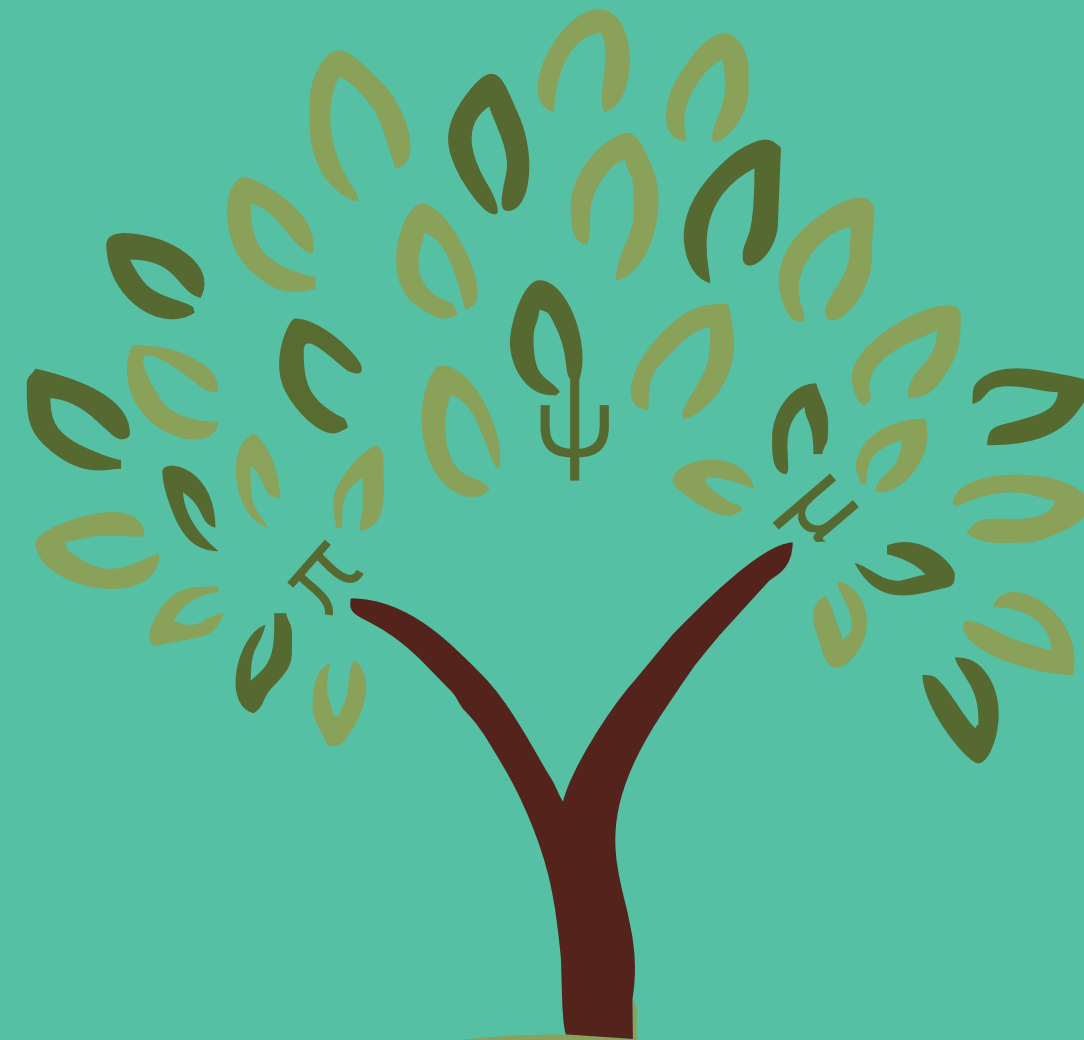
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Malaya Journal of Matematik (MJM) is a "peer-review" and "refereed" international journal publishes original research papers of the highest quality in all areas of mathematics, statistics, computer science and their broad range of applications. For this reason, submissions from many areas of mathematics are invited, provided these show a high level of originality, new techniques, an innovative approach, novel methodologies, or otherwise a high level of depth and sophistication. Any work that does not conform to these standards will be rejected.

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Malaya Journal of  
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## ICSCMM-17

### INTERNATIONAL CONFERENCE ON SOFT COMPUTING AND MATHEMATICAL MODELLING (DEC. 22-23, 2017)

#### INVITED TALKS

S.No.	Name	Affiliated Department & Institute(with full address)	Topic of Talk
1	Prof. Tadashi Dohi	Department of Information Engineering, Graduate School of Engineering, Hiroshima University, 141 Kagamiyama, Higashi- Hiroshima-7398527, Japan	Recent Advances on Neural Computing in Software Reliability Engineering
2	Prof. Shoji Nakamura	Institute of Consumer Sciences and Human Life, Kinjo Gakuin University, Japan	Application of Damage Mode
3	Prof. Tetsushi Yuge	Department of Electrical and Electronic Engineering, National Defense Academy, Japan	Replacement timing for a one-shot system with minimal repair
4	Prof. S. B. Singh	G. B. Pant Univ. of Agriculture & Technology, Pantnagar, Uttarakhand, India	Signature Reliability And Its Applications
5	Dr. Chandra Shekhar	BITS, Pilani, Jaipur (Rajasthan), India	Metaheuristic Approach for Optimal Cost Control of Service System
6	Dr. Arup R. Ray	AXISCADES Engineering Technologies, Bangalore, India.	AI & Machine Learning in IOT & Analytics
7	Mr. Sumit Vij	Business Process Improvement consultant and an ERP transformation expert with TCS (Tata Consultancy Services), Delhi	Soft Computing

## **ABOUT THE CONFERENCE (ICSCMM-17)**

The Department of Applied Sciences at KIET Group of Institutions has successfully organized two days International Conference on 'Soft Computing and Mathematical Modeling' on 22nd and 23rd December 2017. KIET Group of Institutions is one of the leading technical institutes in the National Capital Region in the state of Uttar Pradesh. Established in the year 1997 by Krishna Charitable Society at Ghaziabad, the institute has set benchmarks every year and thus it has grown into an Institution of Excellence in Technical education. The Institute now has over 5400 students on its rolls: a substantial growth since its inception. The college has been consistently maintaining excellent academic results and placements. It offers Under Graduate and Post Graduate level full time Professional Programs as B.Tech., M.Tech., B.Pharm., MCA & MBA. It's approved by AICTE and accredited by NAAC with 'A' Grade. International Conference on 'Soft Computing and Mathematical Modeling' ie. ICSCMM-17 was sponsored by Science and Engineering Research Board (SERB) & Department of Science and Technology (DST), Government of India and Council of Science and Technology (CST), UP and Dr APJ AKT University, Lucknow. The conference aimed to address various issues related to emerging opportunities and challenges pertaining to Computational Fluid Dynamics, Graph Theory, Mathematical Modeling and Simulation, Structural Engineering, Computational and Financial Mathematics, Neural Network and Genetic Algorithms, Bio Mathematics, Cryptography and Computational Security System and others. Analytical discussion presented by delegates and Invited Talks on these issues highly benefitted the academicians as well as society. More than 100 delegates participated in the conference.

On the first day in the morning of 22nd December 2017, the inaugural ceremony of the conference was graced by the presence of eminent personalities as Joint Directors CST, Ms. Pooja Yadav and Mr. Radhey Lal, Mr. Mahadev Pandey, Scientific Officer CST, Chairman of Governing Council of the Institution, Shri M.P.Jain ji, the Director and Dean of KIET Group of Institutions Dr Anil Ahlawat, CAO of the institute Dr. Manoj Goel , GM TBI Prof. Satendra Kumar, Conveners of the Conference Dr.CM Batra, Dr. Vipin Kumar. Dr. Tadashi Dohi from Hiroshima University, Japan delivered Keynote address. Invited Speakers Mr. Sumit Vij, ERP and Transformation Expert, Tata Consultancy Services(TCS) and Prof. Shyouji Nakamura, ICSHL, Kinjo Gakuin University, Japan, as well as many eminent delegates from India and abroad participated with great zeal. The inaugural ceremony was concluded by Dr. Manoj Goel, who expressed gratitude to all the participants as well as guests. After the inaugural session, the conference was bifurcated into different sessions that included a number of invited talks followed by paper presentations on related topics.

The second day of Conference began with the invited talk by Dr. S B Singh, Professor, Dept. of Mathematics, Statistics and Computer Science, G B Pant University, Uttarakhand, Dr. Arup R. Ray, AXISCADES Engineering Technologies, Bangalore and Prof. Chandra Shekhar, BITS, Pilani, Rajasthan followed by different Research Paper Presentation sessions by eminent delegates from India and abroad. To conclude the conference, Dr. Ritu Gupta, Co Convener of the Conference delivered the Valedictory speech. Dr. Anil Ahlawat and Dr. Manoj Goel gave away certificates to the foreign and Indian delegates and thanked them for actively participating in the conference and making it successful. They said that this conference aims to provide an insight into the innovative inventions and thus gives the participants an opportunity to analyze significant advancements in the fields of Soft Computing and Mathematical Modelling. It will also provide a rare opportunity for extensive discussion to the researchers and thereby connect applied sciences and engineering with industry and

bridge the gaps between them. The conference was successfully wrapped with the 'Vote of Thanks' given by Dr. Vipin Kumar.

We are thankful to "Malaya Journal of Matematik" for publishing the reviewed research papers of conference in special issue of their esteemed journal.