Report

on

The Project:

International Conference on Mathematical Modeling and Applied Soft Computing 2012

(MMASC 2012)

(Towards high performance and knowledge optimization)

The International Conference on Mathematical Modeling and Applied Soft Computing (Towards high performance and knowledge optimization), MMASC 2012, was organized from 11-13 July 2012 at Coimbatore Institute of Technology, Coimbatore.

The conference was multidisciplinary in nature incorporating modeling and soft computing in all engineering and science disciplines, and Mathematics & Computer Engineering disciplines.

The conference was inaugurated on 11th July 2012 by Dr. Vaidyanathan Ramaswami, Principal member of Technology, AT&T-Labs Research, New Jersy, USA. In his inaugural speech, Dr. V. Ramaswami appreciated CIT on being an Institution run by and for India and its growth, for such an institution was very much rare to come by. He was familiar with CIT as the US was littered with students of CIT. He pointed out that real learning is only by simulating, cultivating and applying knowledge from Industries. He critically analyzed the present need of Mathematical Modeling, and Soft Computing. He also said that all fields are interdisciplinary and that mere learning of a methodology was not enough, but applying it in possible fields was essential. His address was widely reported in Press (A sample of press report published in "THE HINDU" News Paper – Education Plus attached).

Dr. S.R.K.Prasad, Correspondent, CIT said that CIT was heavy on R & D and that lots of cross border research was being carried out. He invited the professors, participants and the research scholars of various institutions and countries to take back what they have learnt from this conference and use it for the good of the society.

The conference has served as a platform for the Mathematician, engineers and scientists from developing countries and developed countries to present their research findings and look for a possible co-operation in terms of tie-up in their research work / exchange of manpower / exchange of knowledge (or) technologies with scientists from other countries. The papers presented in the conference were very strong in technical content.

The conference was a huge success in terms of the number of participants attended the conference as well as the number of technical sessions conducted. The details are given hereunder:

- Total Number of Papers Presented: 270
- Total Number of Technical Sessions conducted: 35
- Total Number of delegates: 300
  - ✓ Indian delegates: 280
  - ✓ Foreign delegates: 20
- Delegates Composition
  - ✓ Young Research Scholars: 200
  - ✓ Senior Scientists: 100
- Foreign delegates composition
- South Korea ,Botwana, Korea
- Total Number of Invited Speakers: 13

✓ During the conference eminent professors of International stature have been invited to deliver key note lectures and Invited talks. Dr. Bong Dae Choi, Dr. Masakiyo Miyazawa, Dr.W. Malalasekera, Dr.Vaidyanathan Ramaswami, Dr. Sivaguru S. Sritharan, Dr. M.Sambandham, Dr. Bernardine Renaldo Wong Cheng Kiat, Dr. Katinka Wolter are the speakers from the foreign countries and Dr. N Rudraiah, Dr. U C Gupta, Dr. S. Ramasubramanian, Dr. A. Krishnamoorthy,

Dr. C. Chandra Sekhar the speakers from our country. We are sure that the speakers will highlight the topic of the conference so that the conference becomes a technical banquet.

✓ It is to be noted that the invited Speakers have made significant contributions in their respective fields in terms of the number of papers published in the referred journals / number of books authored and their association with various scientific societies in various capacities

- A good number of technical advisory committee members have participated in the conference. Eminent scientists / academicians have officiated as chairman for various technical sessions.

A panel discussion was conducted on 11th July 2012 on "Mathematical Modeling and Applied soft computing-A Technology Fusion:" The composition of the panel members was 10 invited speakers and 2 participants. The panel discussion was chaired by Dr .S. R K. Prasad, Correspondent, Coimbatore Institute of Technology, Coimbatore.

A Vedic Mathematics program called 'GANITAAVADHAANAM' was performed by Master. Sreekara Sarma form Hyderabad, on 11th July 2012.

The valedictory function was conducted on 13th July 2012. Dr. K. Balachandran, Professor & Head, Department of Mathematics, Bharathiar university, Coimbatore was the Chief Guest of the function. He stressed the importance of Fractional differentiation a branch of Applied Calculus as a new avenue for the researchers.

Inaugural and valedictory functions of the conference were widely reported by the National News Papers.

Benefits of the Conference:

- Two Volumes of Full Paper Proceedings were published by M/s Shanga Verlag, Coimbtore. Volumes 1 and 2 are a compilation of 113 and 101 full papers presented in the conference respectively
- These volumes will enhance the knowledge and understanding in the use of latest techniques and further they will act a catalyst for further research work in this field.
- Two Journals that have supported in organizing the conference, namely International Journal of Computer and Applications(IJCA) and International Journal of Industrial and Systems Engineering (IJISE).
- All the Invited talks were well attended by participants and there was a very good interaction by the participants with the invited speakers.
- The topics were very useful to the participants. This information is based on the feedback received from the participants.
- Young research scholars had a very good opportunity to interact with senior scientists in their field of interest.

Maestro & National Mathematical Year 2012
International Conference on

Birth Anniversary of Srinivasa Ramanujan
AIDY
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Dr.S.R.K.Prasad
Dr. B.D. CHOI

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