

ICETET – 08 Report

Raisoni Group of Institutions, a well known group with 50 institutions is a Conglomerate of G. H. Raisoni College of Engineering, Global Business School, Polytechnic, Institute of Information Technology, Interdisciplinary Sciences, Allied Health Sciences, Life Sciences, and International Academy for Creative Teaching, Law School, Film & TV Technology, School of Aviation, Hospitality Management etc.

G. H. Raisoni College of Engineering, Nagpur is Central India's Premier Institute with World Bank Assistance. It was the youngest institute, to get accredited at the standing of only six years and reaccredited for the duration of 05 years by NBA at standing of 10 years. Running 11 PG courses in Engineering & Technology including MCA and MBA.

First International Conference on Emerging Trends in Engineering and Technology, 2008 (ICETET-08) was organized by G. H. Raisoni College of Engineering, Nagpur during July 16-18, 2008 under the umbrella of KES center, Australia with technical co sponsorship with IEEE Bombay Section, CSI, ISTE, SAE, LARS Enviro, Unique Waste Plastics management & Research Pvt. Ltd, Professional Engineering Publications UK, ITVidya.com and IE (India).

In all 350 papers were received. 05 parallel sessions were conducted for the presentation.

ICETET-08 was the most comprehensive conference focused on the various aspects of advances in Image Processing, Pattern Recognition, Computer Vision, Audio-Video Processing, Artificial Intelligence, Optimizations & Evolutionary Based Algorithms , Hybrid Computing, Data Warehousing & Data Mining, Artificial Neural Networks, Fuzzy Systems, Computer Networks & Protocols, Information Processing, Multimedia & Web Applications , Distributed & Embedded Systems , Bio-Informatics & Human Computer Interaction, Communications, Microelectronics, ASIC & SOC, Wired, Wireless & Advanced Networks, Digital System Design & FPGA , Emerging Trends in Electrical Engineering, Emerging Trends in Civil Engineering, Design & Production, Thermal & Simulation.

The goal of this conference was to bring together the researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects of Intelligent Computing. This conference also includes world-class plenary speakers, exhibitions, and a large number of oral and poster presentations. The participants enriched the quality of the conference by adding new and original submissions addressing theoretical and practical topics in intelligent computing fields.

The conference focused with the feature discussions and presentations on emerging and exciting topics of interest. The Plenary sessions and keynote talks are intended to promote the awareness of recent happenings in the field of engineering & technology. Special sessions, Regular paper sessions, Short paper sessions, and Poster paper sessions on the recent happenings in the engineering, technology and science are intended to share the knowledge of the researchers.

ICETET-08 constitutes a privileged forum in which to present recent research results and to discuss new founding ideas in a totally relaxed atmosphere, where open-mindedness and rigorous argumentation may find a correct equilibrium.

Inauguration function of the conference was held in the Auditorium of the college. Dr. Ramesh Bhatkar, I²IT Pune and Designer of Super Computer, PARAM, Shri. Gudade Walse Patil Higher Education Minister, Dr. Mohan Trivedi, University of California, San Diego, Dr. Ajith Abraham, Norwegian University, Norway, Shri. Anis Ahmad, Minister for Animal Husbandry, Honorable Chairman, RGI, Shri Suniji Raisoni were inaugurated the conference.

Dr. Mohan Trivedi, University of California, San Diego, is professor of electrical and computer engineering at the Jacobs School and director, Computer Vision and Robotics Research laboratory. Expert on robotics, "smart" cars and rooms; working on vision-based and augmented-reality systems that could have security iterations for airplane and building security monitoring, as well as robotics for explosives bio-agent detection. He talked about "Making of Safer Automobiles & Intelligent Highways: A human centered approach" in the **plenary session** of the conference.

Dr. Ajith Abraham of Norwegian University, Norway, research and development experience includes over 18 years in the Industry and Academia spanning different continents in Australia, America, Asia and Europe. He works in a multi-disciplinary environment involving machine intelligence, network security, sensor networks, e-commerce, Web intelligence, Web services, computational grids, and data mining and applied to various real world problems. His research interests in machine intelligence include Nature Inspired Hybrid Intelligent Systems involving connectionist network learning, fuzzy inference systems, rough set, swarm intelligence, evolutionary computation, distributed artificial intelligence and other heuristics. He has given more than 25 plenary lectures and conference tutorials in these areas. He has published over 450+ publications and some of the works have also won best paper awards at International conferences. He talked about Modular Integration of Intelligent Systems during second **plenary session** of the first day of the conference.

In the first session of the first day we had 04 parallel sessions. In all 19 technical papers were presented in this session. In the second session of the first day, we had 06 parallel sessions. In all 39 technical papers were presented in this session. In the First session of the second day, we had 06 parallel sessions. In all 27 technical papers were presented in this session.

Sessions were followed by a Keynote. Dr. Ashok Deshpande, Professor in Electrical Engineering, Pune University, Pune, India gave a **keynote** on "Can Fuzzy Logic brings Complex Environmental issues into focus?". This was followed by second **keynote address** by Dr. Shublaxmi Kher, Professor in Computer Science & Electrical Engineering, IOWA State University, USA on "Wireless Sensor Networks: Cluster based routing Algorithms, Applications & Issues".

Before starting of second session of mid day of the conference, we had an excellent tutorial session from Dr. Ajith Abraham, Norwegian University, Norway. He

addressed the participants on “Hybrid Soft computing: Reviews, Architecture & Perspective”.

In the second session of the second day, we had 06 parallel sessions. In all 28 technical papers were presented in this session.

On the last day of the conference, we had a **keynote address** from Dr. Rathindranath Maiti, Professor in Mechanical Engineering, (his area of research is Machine Design.) Indian Institute of Technology, Kharagpur on “Fluid Power Research & Education in India”. His latest publications includes Split Cam Concept for a Novel Harmonic Drive by Maiti, R.; Nema, V. & Basu, S., *ASME Journal of Mechanical Design*, And Load Sharing by Involute Tooth Pairs of Internal Gearing with External Toothed Pinion on Flexible Rim Weak Foundation – A FEM Approach by Maiti, R. & Biswas, I., *Mechanism and Machine Theory- in communication*,

In the first session of the last day, we had 04 parallel sessions In all 27 technical papers were presented in this session. This session was followed by **keynote address** from Dr. D. P. Kothari, VC, VIT, Vellore on “Emerging Trends in Renewable Energy Technologies”. He is Professor in Mechanical Engineering. Dr DP Kothari who is recipient of Most Active Researcher Award winner and presently Vice Chancellor of VIT University Vellore in Tamilnadu has Published 525 research papers in various national as well as international journals and conferences, guided 27 PhDs, 55 M.Techs', authored 20 books in Power Systems and other allied areas. His fields of specialization include Optimal Hydro-thermal Scheduling, Unit Commitment, Maintenance Scheduling, Energy Conservation

Dr. R. Natrajan, Ex-Chairman, A.I.C.T.E., New Delhi & Former Director, Indian Institute of Technology, Madras and Shri. Anis Ahmad, Minister for Animal Husbandry graced the concluding function (Valedictory). A detailed report about the conference was released. A Best Paper award was given in the concluding function for each sub-themes of the conference.