Sixth International Conference on Information Technology

December 21st –25th 2003

Organized by

Orissa Information Technology Society (OITS)

and

Silicon Institute of Technology

Post Conference Report

The Sixth International Conference on Information Technology, **CIT 2003**, was held in Bhubaneswar, India, during December 22-25, 2003. The conference was organised by Silicon Institute of Technology & Orissa Information Technology Society, Bhubaneswar.

The goal of the CIT is to provide a high quality forum for scientists and engineers to present their latest research findings on all topics in the area of information technology. The conference attracted reputable researchers from around the world.

CIT 2003 - Schedule

- ❑ 21 Dec 2003 – **Inauguration**
- ❑ 21 Dec 2003 – **Symposium on IT & Education**
- ❑ 22-24 Dec 2003 – **Conference**
- ❑ 22-24 Dec 2003 – **Advanced Tutorial**
- ❑ 22 Dec 2003 – **Cultural Programme**
- ❑ 23 Dec 2003 – **Industry Session**
- ❑ 23 Dec 2003 – **Sight Seeing**
- ❑ 24 Dec 2003 – **Awards & Valedictory**
- ❑ 22 & 24th Dec 2003 – **Poster Session**
- ❑ 25 Dec 2003 – **Tutorials**

21-12-2003

- ❑ **Inauguration:** The official inauguration of CIT-2003 took place at the Campus of Silicon Institute of Technology, Bhubaneswar at 4.30 PM on 21st December 2003. Ms Anuradha Pani and Ms Rumhina Ali students of Silicon Institute of Technology requested and welcomed all the distinguished guests to the dais.

Mr N. R Mohanty, Chaiman, Hindustan Aeronautics Limited, Bangalore, was the Chief Guest, **Prof. (Dr.) Damodar Acharya**, Vice Chancellor, Biju Patnaik University of Technology was Guest of Honor and **Mr. Vinay Deshpande**, Chairman, Encore Software Pvt. Ltd, Bangalore was the Chief Speaker of the inaugural ceremony.

The inauguration programme was presided by **Prof. (Dr.) P. K. Dash,** Director (Academics & Research), Silicon Institute of Technology, Bhubaneswar. On behalf of the Management, Faculty Members and Students of Silicon he welcomed all the Guests and delegates to the Silicon Campus and CIT 2003.

On behalf of the organisers Prof Dash requested all the distinguished guests to light the lamp and mark CIT 2003 open. The proceedings of Sixth International Conference on Information Technology and the first OITS bulletin was also inaugurated by the Guests.

The Program Chair **Dr. Sudeshna Sarkar**, Asst. Prof., IIT, Kharagpur of CIT2003 Organising Committee welcomed all the delegates and gave a brief history of CIT. She gave an overview of CIT 2003. She also pointed out that there were around 280 qualitative submissions and out of which 45 papers were selected as Full Papers and 43 were selected as Short papers.

Mr N. R Mohanty the Chief Guest, was also happy to share the dais with his two teachers, Prof. S. P Mishra and Prof. (Dr.) P. K. Dash. He appreciated Silicon's effort to organize such an event. He thanked the Organizing Chair Mr. Laxman Mohanty, who according to him, located him and convinced him to attend the function. He said, "*I.T is happening again. 8 lakh new jobs, 16% pay hike. I came to this conference to convey a message to the I.T professionals that in India we adore you and we respect you and we are proud of you". "Our country is moving and things are happening* ".

The Finance Chair CIT 2003 and the Executive Director of Silicon Institute of Technology Mr. Nitai Gaur Dhall presented mementos to the guests.

Prof. S. P Mishra the President of Orissa Information Technology Society of Orissa delivered the vote of thanks.

The inaugural program was concluded with a Violin recital by Mr Deepak Singh Mahanta, a student of Silicon, followed by high tea.

21-12-2003

❑ **Dr. A. K Pujari Symposium on I.T & Education:** The proposed Dr Amiya K Pujari Symposium on IT & Education aimed to bring in academicians, administrators and professionals working in the arena of IT & education to a common platform for deliberation on the current status of:

- To bring together on one platform various new technologies being developed in the country for promoting use of IT in education.

- Showcase research being done in deployment of IT in education.

- Discuss strategy to hasten IT deployment in institutions.

The symposium was inaugurated by Prof. S. P Mishra, President, OITS. He gave a foreword on late Dr. A. K Pujari, and requested everyone to observe one-minute silence to pay homage to the departed soul. Dr Pujari was one of the IT stalwarts of Orissa. He was closely involved in IT education and IT in governance. As a tribute to him the Symposium on IT & EDUCATION was being conducted along with CIT 2003. While welcoming the delegates Prof Mishra said, "*It is not what we say and do during the Symposium that matters but it is what all of us do after the Symposium will matter".*

Prof. Neharika Vohra from Indian Institute of Managemenwt, Ahmedabad, chaired the session. There were seven invited speakers who spoke wonderfully well on various topics related to Information Technology. The speakers and their topics were as follows:

1. **Prof. Devendra Jallihal,** IIT, Madras : Effective Teaching on Internet.

2. **Dr. K. R Srivathsan,** IIIT, Trivendrum: Problems of higher education in India.

3. **Dr. V D Barve,** K K Wagh College of Engineering, Nasik: Computer Animation in Science Education

4. **Prof. Sanghamitra Mohanty,** Utkal University :I.T in General Education

5. **Mr. Vinay Deshpande,** Encore Software Pvt. Ltd, Bangalore : Use of Simputer in Education

6. **Prof. Anupam Basu,** IIT, Kharagpur: I.T in Rural Education

7. **Mr. J. Shankar**, Azim Premji Foundation, Bangalore: Improvement of quality in learning using Technology and Management practices.

125 delegates from 30 over Institutes and organizations from various countries as far as Australia, China, USA, Malaysia had attended the Symposium.

Prof S. P. Mishra, Prsident OITS, Mr Nitai Gaur Dhall, Executive Director, Silicon Institute of Technology and Mr Laxman Mohanty, Director , Silicon School of Information Technology gave away the mementos to the Speakers. Prof Neharika Vohra thanked all the Delegates, Speakers and the organizers for making the Symposium a grand success.

This Symposium was sponsored and organized by Silicon Institute of Technology.

22-12-2004 to 24-12- 2003

❑ **Conference:** The conference was from 22nd – 24th December' 03 at Swosti Plaza,Bhubaneswar. Apart from **twenty technical sessions**, there were three **Keynote talks,** eight **Invited talks** and three **Advanced Tutorials** by eminent professors. Around 230 delegates from 12 countries including India had registered for the conference. 122 had presented their papers during the conference.

Technical Sessions   on Networking, Software Engineering, Object Oriented Systems, NLP, Image Processing, Ontology, Mobile networks, Artificial Intelligence, Neural Networks, Hardware, DSP, I.T & Society, Data Mining, Database, Genetic Algorithms, Bioinformatics etc were presented from 22nd to 24th December 2003.

Delegate Kit: The delegates to the conference were given a delegate Kit that included the proceedings, a CD version of the proceedings, stationery etc. Delegates who presented papers were given a paper presentation certificate and to the rest delegates, a delegation certificate.

Keynote Talk 1:   Challenges in Evolution from Single-hop to Multi-hop Wireless Network by Prof. S. K. Tripathy, University of California, Riverside, USA

Keynote Talk 2:   Progress in Computer Architecture from 1971 to today and beyond: Agents of Evolution by Prof. Yale Patt, University of Texas, Arlington, USA.

Keynote Talk 3:   Pervasive Community Computing (PCC) Paradigm with Applications to Health care by Prof. Sajal Das, University of Texas, Arlington, USA.

The keynote talks were the most admirable events of the conference which were attended by most of the delegates.

Invited Talk 1:   Timed Reactive Object Models: Prof V S Alagar, Concordia University, Canada

Invited Talk 2:   Logic: Prof. Alessio Lomuscio, King's College, London

Invited Talk 3:   Evolution in Neural Computing - from Artificial to Real: Laxmidhar Behera, Bloomsburg University of Pennsylvania

Invited Talk 4:   Integrated Management from E-Business Perspective: Prof. Pradeep Roy, University of New South Wales, Australia

Invited Talk 5:   Machine Learning for Real Time Applications using Support Vector Machines: Prof. Palaniswami, University of Melbourne, Australia

Invited Talk 6:   The Ethical Landscape in Information Technology: A look at the players, problems and proposed solutions: Dr. Appa Rao Korukonda, Bloomsburg University of Pennsylvania

Invited Talk 7:   Design Validation of Embedded Systems: The Challenges: P. P. Chakrabarti, IIT, Kharagpur .

Invited Talk 8:   Trends in Cluster Computing: Dr Badrinath Ramamoorthy, HP India, Bangalore.

The Invited Talk session were held parallel to the technical session on 22nd, 23rd and 24th of December.

Advance Tutorials 1: Fuzzy Sets & Applications by Dr. Raghu Krishnapuram

Advance Tutorials 2: Rough Sets Theory by Dr. Mohua Banerjee

Advance Tutorials 3: Web Mining by Dr. Joydeep Ghosh

Delegates and senior faculty members from various Institutes attended these advanced tutorials.

❑   **Cultural Programme:** A colorful program of "Goti pua" dance was organized on 22nd evening, which enthralled all the delegates, followed by dinner.

23-12-2003

Industry Session:

The theme of the Industry session was **" India Sustaining Leadership Position in Global I.T. Market".**

Prof. D. P. Dash, Xavier Institute of Management, Bhubaneswar chaired the session. The presenters were Mr. Sudip Banerjee, President, Wipro Technologies, Bangalore, Mr. R Narayanan, VP (Learning & Development), TCS, Mr. Supraphat Chatterjee, Executive, Cisco, Mr. Bibhu Patnaik, Associate VP, Infosys Technologies Ltd.,Bhubaneswar, Mr. Pradeep Waychal, CQ & D Innovation, PCS and Mr. Devesh Sinha, President, ESS, Bhubaneswar.

An hour-long question-answer session took place. Delegates from various industries, institutes participated in this session. The Principal of CV Raman College of Engineering gave away the mementos to Speakers, and the Director thanked the participants, Speakers and the organizers.

The Industry session was sponsored by C. V. Raman College of Engineering, Bhubaneswar and organized by CIT 2003.

❑ **Sight Seeing:** A large number of delegates went for visiting the famous Konark Temple and surrounding places. The conferece provided free transport. The sight seeing started at 2 pm on 23 December from the conference venue. They visited Sun Temple at Konark, Sea beach at Chandrbhaga, The Jagannath Temple of Puri and Applique work at Pipli and back to Bhbaneswar.

Awards & Valedictory: In CIT 2003, there were two awards for best papers.

🎬 **Prof Amiya K Pujari award for best paper:** It was from all the papers submitted in the Conference. The winners in this category was Joydeep Ghosh of University of Texas, Austin, USA for the paper titled " A Probablistic Approach to Privacy-Sensitive Distributed Data Mining" done in collaboration with Srujana Merugu.

🎬 **Prof Narayan Misra IT award for the best paper:** It was the best paper award submitted from Orissa. The winners in this category was Debi Prasad Das, of Silicon Institute of Technology, Bhubaneswar, India for the paper titled "Electricity Distribution Data Mining Using Soft Computing and Modified Wavelet Transform" done in collaboration with P K Dash.

The Programme Chairs Goutam Chakraborty, Iwate-Prefectural University, Japan and Sudeshna Sarkar, IIT, Kharagpur announced the awards, and S P Misra, President,, OITS presided over the function.

❑ **Poster Session:** Around 50 poster papers were also selected in this section. The poster session was running parallel on 22ⁿᵈ and 24ᵗʰ December'03.

25-12-03

Tutorials: For the first time the tutorials were organized centrally and for the whole day of 6 hours. All the participants were given a kit including CD of the Reference material for all the tutorials. Almost 240 under graduate and post graduate students from various Institutes across the country had attended this program.

Tutorial 1: Distributed Computing and Application (Dr. Prabir Das & Mr. Shibaji Mukherjee)
No of Students participated- 52

Tutorial 2: Bioinformatics- A Computer Science Perspective (Profs. S. Padhy and G. B. N. Chainy).

No of Students participated- 66

Tutorial 3: A First Visit to the World of Data Mining (Prof. Aditya Bagchi, Head, CSSC, Indian
No of Students participated- 64

Tutorial 4: Embedded/Real time Operating Systems: Current Trends (Ms. Parvatha Raman, Manager   Talent Transformation, Wipro Technologies, Bangalore).
No of Students participated- 61

Tutorial 5: Biometric based Person Identification System (Dr. A. G. Ramakrishnan, Department of Electrical Engg., Indian Institute of Science, Bangalore).
No of Students participated- 64

Tutorial 6: Agent-based Software Engineering (Dr. M. R. Patra, Dept. of Comp. Sc., Berhampur
No of Students participated- 62

On completion of the tutorials all the participants were given a certificate of participation.

🎬 **Sponsors:** To organize this Conference various organizations had extended their help financially. They are : CSIR, New Delhi, TCS, Satyam, Microsoft, Silicon Institute of

Technology Bhubaneswar, National Institute of Science and Technology, Berhampur, C.V. Raman College Engineering, Bhubaneswar, KIIT, Bhubaneswar, RCM Bhubaneswar, ICFAI Tech, Bhubaneswar, ESS, Bhubaneswar

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