

## **CIIR ACTIVITIES**

### **March 7, 2005 – July 24, 2005**

Overview of Main CIIR Activities: From March 7, 2005 – July 24, 2005, CIIR pursued research & education activities of: (1) I\*I Technical Paper Presentation Session at National Conference on Business Information Management (BIM) held at IMT, Ghaziabad, 9-10 April 2005; (2) Paper presentations at BIM Conference (BIMC-2005); (3) Networking with institutions and professionals to initiate I\*I research and education programs; (4) CIIR work activity planning meeting with Mr. Madhavan Nayar, President, Unitech Systems, Inc. and Chairman, IIC during his India visit in March 2005; (5) Seminar presentation at S.N.D.T. University, Mumbai; (6) Delivering invited keynote address at S.N.D.T. University, Mumbai; (7) Intensive “I\*I knowledge Space” interaction with MCA students for I\*I course planning at S.N.D.T. University, Mumbai; (8) Doctoral research in I\*I; (9) Research interaction for I\*I research paper preparation for International Conference on Mass Customization and Personalization (MCPC) to be held at University of Hong Kong for Science & Technology, Hong Kong from 18-21 September 2005; (10) Vijay’s visit program to USA from 29 May – 19 June 2005 for IIC meeting and for meetings with I\*I experts and at Home Office; (11) Information Integrity Course Teaching at S.N.D.T. University, Mumbai; (12) Faculty Seminar and Invited Talk presentations; (13) Conducting Intensive I\*I Research Interactions for training of prospective I\*I researchers; (14) Work on a comprehensive I\*I Research Paper; (15) Launching of I\*I Research Web Site at CIIR; and (16) Editing of CIIR’s Research Publications.

These activities are briefly described here.

#### *1. I\*I Technical Paper Presentation Session at National Conference on Business Information Management (BIM) held at IMT, Ghaziabad, 9-10 April 2005*

Business Information Management (BIM) Conference was organized by Institute of Management Technology (IMT), Ghaziabad from 9-10 April 2005. The conference held at IMT, Ghaziabad was at national level. It had total four technical sessions, one being on Information Integrity (I\*I). Other technical sessions were on: Information Systems and Management; Cyber laws, IPR and Knowledge Management; and Technologies, Quality and Security Systems.

Dr. D. P. Goyal, IMT was the Conference Chair and Dr. Kamna Malik, IMT the Conference Coordinator.

CIIR sponsored the Information Integrity technical session.

#### *2. Paper presentations at BIM National Conference*

Information Integrity Technical Session at BIMC-2005 held at IMT, Ghaziabad, April 9-10, 2005, included in all 6 papers. They were:

- (i) *Information Integrity-Adding value to corporate assets* by Prof. Vijay V. Mandke,
- (ii) *A Process Model for Decision-Making in Stock Markets: The Information Integrity Approach* by Prof. K. Narayanan (IIT Bombay), Prof. Vijay V. Mandke, Mr. M. Prashant (IIT Bombay),
- (iii) *Information Modeling for Achieving Integrity in Databases for Open Systems* by Prof. Reema Khurana (IMT),
- (iv) *Achieving Integrity in the System Design: Information Integrity View* by Milind S. Mali (Smt. Kashibai Navale College of Engineering, Pune),
- (v) *Depicting an Approach to design Schema for Information base with Integrity* by Prof. Reema Khurana (IMT), and

- (vi) *Information Integrity Analysis and Design: A UML Based Approach* by Prof. Kamna Malik (IMT).

Prof. Vijay V. Mandke delivered a keynote address at the Information Integrity technical session.

Dr. D. P. Goyal, IMT and Dr. Kamna Malik, IMT are the editors of the BIMC-2005 Conference proceedings.

3. *Networking with institutions and professionals to initiate I\*I research and education programs*

CIIR is networking with institutions from Delhi (IIT Delhi inclusive), Pune and from Bombay (IIT Bombay inclusive) to develop and to implement education and research in I\*I. Within this framework, Prof. Mandke had following notable meetings:

- (a) Meetings at IIT Bombay from 25-27 April 2005 with the following:
- Prof. N.L. Sarda, Dean and Prof. of Dept. of Computer Science & Engg.,
  - Prof. Ramanathan, Head of Dept. of Humanities & Social studies and Prof. of Economics Dept., Dept. of Humanities & Social studies,
  - Prof. K Narayanan, Economics Dept., Dept. of Humanities & Social Studies,
  - Prof. Siva, Head, Dept. of Computer Science & Engg., and
  - Dr. Veermani, Economics Dept., Dept. of Humanities & Social Studies.
- (b) Meetings at RBI, Pune with
- Mr. A. K. Hirve, Vice-Principal, RBI College of Agricultural Banking, Pune, and
  - Ms. Jivani, GM, RBI College of Agricultural Banking, RBI, Pune
- (c) Meetings at AISSMS's College of Engineering, Pune with
- Dr. S.P. Kallurkar, Principal, AISSMS's College of Engg.,
  - Mr. Milind Mali, Faculty, Sinhadgad Technical Society,
- (d) Meeting at Engineering Educators' Council, Pune, with
- Prof. Ratnalikar and other Council Members, April 20, 2005
- (e) Meeting with engineering experts, namely, Prof. S. K. Bhattacharya, TTTI Chandigarh Faculty, who was visiting Sinhadgad Technical Institutes, Pune, Mr. Milind Mali, Mech. Engg. Faculty, Sinhadgad Technical Institute, Pune and Senior engineering educators from Pune, namely, Prof. Rantnalikar and Prof. P.D. Kulkarni, on April 22, 2005.

4. *CIIR work activity planning meeting with Mr. Madhavan Nayar, President, Unitech Systems, Inc. and Chairman, IIC during his India visit in March 2005*

On 26 March 2005, Vijay had a CIIR work planning meeting with Mr. Madhavan Nayar, President, Unitech Systems, Inc. and Chairman, IIC, who was visiting India.

5. *Seminar presentation at S.N.D.T. University, Mumbai*

Prof. Vijay Mandke made a seminar presentation on "Information Integrity Imperative for Competitive Business Advantage: An Interdisciplinary Subject Exposé" at PG Dept. of Computer Science, S.N.D.T., University, Mumbai on April 1, 2005.

6. *Delivering invited keynote address at S.N.D.T. University, Mumbai*

On the occasion of the Annual day of the PG Department of Computer Science of the S.N.D.T. University, Mumbai, Prof. Vijay Mandke delivered invited keynote address "Information Integrity for Achieving Competitive Advantage - *Thinking Out of the Box*" at the Department, on 16 April 2005.

7. *Intensive "I\*I knowledge Space" interaction with MCA students for I\*I course planning*

On 16 April 2005, at the PG Dept. of Computer Science, S.N.D.T. University, Mumbai, Vijay conducted an intensive “I\*I knowledge Space” interaction with the Master of Computer Applications (MCA) degree students, who were desirous of studying Information Integrity course offering at the University.

8. Doctoral research in I\*I

From July 2003, Ms. Reema Khurana, Computer Science Faculty of Institute of Management Technology (IMT), Ghaziabad, Delhi is registered at S.N.D.T. University, Bombay for her Doctoral work in the topic “Achieving I\*I for Open System Data Bases”. Dr. Ramesh, Professor of Computer Science & Engineering, IIT Bombay and Professor Vijay Mandke are her joint guides.

- Guiding Ph. D. research  
Prof. Mandke is actively engaged in guiding Ms. Khurana in her doctoral work progress.  
Note: This is a continuing activity.

9. Research interaction for I\*I research paper preparation for international conference

International Conference on Mass Customization and Personalization (MCPC) is being held at University of Hong Kong for Science & Technology, Hong Kong from 18-21 September 2005.

Through the months of May – June 2005, Vijay has been in intensive research interactions with Ms. Reema Khurana and Mr. Sidharth Varma (Both faculty members of IMT, Ghaziabad) to prepare a paper for MCPC2005 based on I\*I approach to supply chain design/management.

Accordingly, the paper entitled “Modeling Information bases with Integrity in a Mass Customized Supply Chain” jointly prepared by Sidharth Varma (IMT), Reema Khurana (IMT), Vijay Mandke (CIIR), and Subhash Wadhwa (IIT Delhi) was submitted to the Conference on 27/28 June 2005.

After the due process of the paper review, on 19/20 July 2005, the Conference has confirmed the acceptance of the paper.

10. Vijay’s visit program to USA from 29 May – 19 June 2005 for IIC meeting and for meetings with I\*I experts and at Home Office

From May 29, 2005 – June 17, 2005, Vijay visited Home Office for the IIC meeting and for meetings with I\*I experts and at Home Office. Various meetings Vijay had were:

- May 31, 2005: Meeting at Home office in which Win Hamilton, Executive Director, IIC, Irina and Vijay participated,
- June 1, 2005: Conference call with Dr. Gelzer. Vijay participated in the conference call along with Win to discuss I\*I applications in Healthcare.
- June 2, 2005: Meeting at Chicago in which Dr. Robert Ashenhurst, Prof. Marty Bariff, Win and Vijay participated.
- June 6, 2005: Meeting at University of Illinois in which Dr. Ramaprasad, Win and Vijay participated,
- June 7, 2005: Visit to Spercomm2005 and meeting at Chicago in which Mr. Craig Watson, Win and Vijay participated,
- June 8, 2005: Meeting in Chicago in which Mr. John Strothman, Win and Vijay participated; Also, along with Win, Vijay represented IIC at the Meeting of the Executive Club of Chicago,
- June 9, 2005: Vijay’s meeting with Mr. Madhavn Nayar, President, Unitech Systems, Inc. and Chairman, IIC,

- June 10, 2005: Meeting at Home Office in which Dr. Sumit and Vijay participated,
- June 14, 2005: Vijay participated in the day long IIC meeting,
- June 15, 2005: Meeting at Chicago in which Dr. Sri Ramamoorti, Ernst & Young, Win and Vijay participated; Meeting at Chicago in which Mr. John Gude, Ms. Carole Foryst, Win and Vijay participated; Meeting at Home Office in which Samantha and Vijay participated,.
- June 16, 2005: Meeting at IIT Chicago in which Prof. Peter Lykos, Win and Vijay participated; Meeting at Home Office in which Corey Ferengul and Vijay participated,
- June 17, 2005: Breakfast meeting in which Dharam Punwani, Win and Vijay participated; Meeting at Naperville in which Jesse Elliot, Daven Morrison, MD, Win and Vijay participated.

#### 11. Information Integrity Course Teaching at S.N.D.T. University, Mumbai

Post Graduate (PG) Department of Computer Science, S.N.D.T. University, Juhu Campus, Mumbai has introduced "Information Integrity" course as an elective course category under the University's Master of Computer Applications (MCA) degree program.

The first offering of I\*I course is being made in the 1<sup>st</sup> Semester of the Academic Year 2005-06, which is from June 24, 2005 to the end of December 2005.

Prof. Vijay V. Mandke is invited to teach the course. He is assisted by Prof. Silven Simon and Ms. Sulbha Powar of the PG Dept. of Computer Science, S.N.D.T. University, in this course teaching activity.

Information Integrity course teaching began on July 24, 2005. The course has 3 lectures a week, which are delivered on Friday/Saturday.

#### 12. Faculty Seminar and Invited Talk presentations

Prof. Vijay Mandke presented:

- A Faculty Seminar entitled "Information Integrity: Research and Education Issues" at AISSMS's College of Engineering, Pune on 29 June 2005.
- An Invited Talk entitled "Engineering Education, Information Processing and Globalization" at The Institution of Engineers (India) Pune Local Center under the joint aegis of The Institution of Engineers (India) Pune Local Center and Engineering Educators Foundation, Pune, on 20 July 2005.

#### 13. Conducting Intensive I\*I Research Interactions for training of prospective I\*I researchers

During the period, I\*I research interactions were held for the following faculty members:

- I\*I research interactions at CIIR, Pune
  - i. Mr. Milind Mali, Faculty, Smt. Kashibai Navale College of Engineering, Sinhagad Technical Education Society, Pune
- I\*I research interactions at PG Dept. of Computer Science, S.N.D.T. University, Mumbai
  - i. Mr. Silven Simon, Faculty,
  - ii. Ms. Sulbha Powar, Faculty

#### 14. Work on a comprehensive I\*I Research Paper

Currently Vijay is also working on a comprehensive research paper entitled “Systems Engineering of Information Integrity”.

*15. Launching of I\*I Research Web Site at CIIR*

Work for development of I\*I Research Web Site is almost complete. The site address is: [www.centerforinformationintegrityresearch.org](http://www.centerforinformationintegrityresearch.org). It is proposed to launch the site and open it to all in the first week of August 2005.

*16. Editing of CIIR's Research Publications*

CIIR is working on strengthening the task of editing its research publications.