

## Leadership Lecture Series 2007

**L**eadership Lecture Series 2007, with several thought provoking, highly inspiring and motivating sessions came to an end with the concluding session addressed by Dr. Kiran Bedi, IPS, Director General, Bureau of Police Research and Training, on 17th February 2007.

As part of the efforts to make this course very effective, leaders and achievers from corporate/education/media/industry associations/NGO sectors of our country are invited to share their thoughts and experiences on this subject and how they have provided leadership to their organizations, what are the nature of challenges they have faced, how did they overcome and what contribution they have been able to make towards the growth of their organizations.

The class was divided into 10 groups of 5-6 students in each and a leader was chosen by each group. Each group is given an opportunity to have an exclusive session to interact with their chosen leader and raise all the questions that remain to be answered. At the end, each group submits a term paper on their understanding and findings about the chosen leader. This is evaluated and considered for awarding the grade on this subject. Students gain valuable exposure to the leadership styles, values hold by the leaders and to the entrepreneurial world, and their



*President A. P. J. Abdul kalam with Mr. Arumugam (IRCC) at the IIT Bombay Exhibition stall at the PAN-IIT Meet held at Mumbai in December 2006.*

interests are often piqued to pursue new ideas or industries.

This event Leadership Lecture Series gave an excellent opportunity to the students, faculty and members of IITB community, to listen to and interact with some of the finest minds and a galaxy of speakers, who are leaders and achievers in their own field of activity. The list included Mr. Pramod Chaudhuri, Chairman, Praj Industries, Pune and Distinguished Alumnus, IITB, Mr. Adi Godrej, Chairman, Godrej Industries Ltd., Mr. Vijay Mahajan, Managing Director and CEO, BASIX India, Mr. Uday Kotak, Vice-Chairman & Managing Director, Kotak Mahindra Bank; Dr. Ashok Ganguly, Chairman, ICICI One Source Limited., Former Director of Unilever Plc, Former Chairman, HLL Ltd., Ms. Naina Lal

Kidwai, CEO, HSBC (India), Mr. Sunil Bharti Mittal, Chairman, Bharti Enterprises, Mr. Narayan Vaghul, Chairman, ICICI Bank, Mr. Jamshyd Godrej, Chairman, Godrej & Boyce Co. Ltd, Dr Shailesh J Mehta, and Dr. Kiran Bedi, IPS, Director General, Bureau of Police Research and Training.

This event, for past six years, have made a small but highly impacting contribution towards confidence building and shaping up minds of young and old learners alike.

This innovative way of learning from leaders was conceptualized by Prof. Atanu Ghosh of SJMSOM and he has been able to coordinate and implement this course since its inception in 2000, consistently with high level of effectiveness.



### Awards & Distinctions

Prof. Ashok Misra, Director IIT Bombay was conferred the CHEMTECH-CEW 'Outstanding Contribution' Award in the field of education by CHEMTECH Foundation. The citation presented on the occasion states: "Having made outstanding contributions as a teacher and a researcher for over three decades, he is the driving force at IIT for its major achievements." The award was presented at a function held at Hotel ITC Grand Maratha Sheraton on 8<sup>th</sup> February, 2007.

Prof. Amiya Kumar Pani was invited to become a member of the Editorial Board of Field Institute Electronic Research Journal "Math-in-Industry Case Studies" (MICS). He Chaired a session as well as Chaired the valedictory session in the International Conference on Industrial and Applied Mathematics held in MS University, Baroda during January 16-18, 2007. He was selected as One of the judges of the Best paper presentation in the OMS Conference held in Vyasnanagar College, Jaipur during January 28-29. He also Chaired a Session in the Symposium on Recent Advances in Mathematical Sciences during January 16-17, 2007 held in IIT Kanpur.

### Systems Continuum 2007@ SJMSOM

Shailesh J. Mehta School of Management, IIT Bombay hosted the Systems Continuum 2007 on 4<sup>th</sup> Feb, the theme of the event being 'Infusing IT into Indian Industry'.

The event started with a panel discussion on the topic 'Attractiveness of the Indian Industry for the IT sector: Expectations of the Indian Industries from the IT sector'. The IT sector was represented by Mr. Rajagopal Tampi, Vice President, Mphasis/EDS and Mr. Jaijit Bhattacharya, Director, Govt. Strategy, Sun Microsystems while Mr. MD Agrawal, Chief Manager, IS Refinery System, BPCL and Dr. Phatak, HOD KRESIT talked on behalf of the IT user in

the industry.

The keynote address was by Padmabhushan Dr. F.C.Kohli, former Deputy Chairman, TCS, recognized as the Father of Indian IT industry. He emphasized on the need for localization of the computer languages used for the 900 million Indians who are not exposed to English education. Mr. Kohli highlighted those sectors of Indian Industry which are still not using/ tapping the potential of IT like power loom industry, retail sector etc. Mr. Rajdeep Saharawat, Vice President, NASSCOM, addressed the audience on the topic 'Challenges for Indian IT industry in targeting Bottom of pyramid'.

The paper presentation contest was held as a part of the Systems Continuum 2007. After preliminary evaluation four teams, one each from IIM Bangalore, FMS Delhi, NITIE and IIT Madras, were shortlisted for delivering presentation on the day of the event. The first prize of Rs 15000 was shared by teams from FMS and IIT Madras. A case study workshop was conducted by Pricewaterhouse Coopers (PWC) which received an enthusiastic response from the students of various B Schools.

The event ended with a talk by Rakesh Kumar Rai, Architect, Infrastructure Solutions, ASEAN/SA, IBM India Pvt. Ltd followed by the valedictory address and Prize Distribution Ceremony. Systems Continuum 2007 was supported by NASSCOM and sponsored by IBM (title) and Newgen (associate).

### Faculty News

#### Department of Chemistry

Prof. Sambhu N. Datta gave an invited talk on "Retarded Boson-Fermion Interaction in Atomic Systems" in Theoretical Chemistry Symposium held at Bharathidasan University, Tiruchirappalli during 11<sup>th</sup>-13<sup>th</sup> December, 2006.

#### Electrical Engineering Department

Prof. V. Ramgopal Rao was invited to deliver a plenary talk titled "Micro-fabricated Bio-sensors for Cardiac Diagnostics" at the 2007 National Review and Coordination Meeting held during Feb 21-23, 2007 in Hyderabad for the Nanoscience and Technology Initiative (NSTI), DST, Govt. of India.

#### Department of Humanities and Social Sciences

Prof. Milind Malshe was invited by the Faculty of Fine Arts, the M S University of Baroda as Visiting Professor under the UGC/DISA Programme to deliver lectures on Western Aesthetics (11-22 December, 2006). He was also invited by the Centre for Contemporary Theory, Baroda, to make a presentation on "Multiculturalism and Aesthetic Theory" on 22nd December, 2006.

Prof. Malshe was invited by the Academic Staff College and the Dept of English, University of Mumbai, to deliver the lectures on "Noam Chomsky's Theory of Grammar and Language Acquisition", at the Refresher Course on "Critical Approaches to Language Learning, Teaching and Testing" on 24th December, 2006.

Prof. K. Narayanan delivered the Presidential Address on the theme "India in the Emerging Global Order" in the Annual International Conference of the Academy of International Business [India Chapter] held in Xavier Institute of Management, Bhubaneswar during January 29 to 31, 2007. He presented a paper titled "Technological Efforts, Firm Size and Exports in Basic Chemical Industry in India" [co-authored with Ms. Savita Bhat] in a Seminar to honour Prof. N.S. Siddharthan on "India and Globalisation", organised jointly by the Institute of Economic Growth and Research and Information Systems [RIS], New Delhi in New Delhi on 1st



February 2007. Prof. Narayanan was invited as a Resource Person in the Expert Group meeting on Courses relating to Indian Economy at the Indira Gandhi National Open University [IGNOU], New Delhi on February 12, 2007.

**Prof. L. M. Bhole** delivered a keynote address on "Reflections on Eleventh Five Year Plan Approach Paper" on February 16, 2007 at the National Conference on the Business Optimisation Research Wave organized jointly by NITIE and IIT, Bombay.

#### Department of Mathematics

**Prof. Amiya Kumar Pani**, gave an invited talk on 'Enhanced Oil Recovery in Reservoir Studies: Theoretical, Experimental and Computational Issues' in the International Conference on Industrial and Applied Mathematics held in MS University, Baroda during January 16-18, 2007. He gave B. C. Das Memorial Lecture on 'Can Mathematics help to extract more oil from the oil field?' in the OMS Conference held in Vyasanagar College, Jajpur during January 28-29, 07. He delivered talks on 'Enhanced Oil Recovery in Reservoir Studies: Some Mathematical Issues' in the Symposium on Recent Advances in Mathematical Sciences during January 16-17, 2007 held in IIT Kanpur. He has given a series of four talks in the Workshop on Computational Mathematics in C. V. Raman Engineering college, Bhubaneswar during January 26-27, 07.

**Dr. V. D. Sharma**, delivered a key note address at ISTE Training Programme on Application Orientation in Engineering Mathematics and Mathematical Modelling, held at National Institute of Technology, Surat on December 26, 2006. He also delivered the Platinum Jubilee Lecture on Resonantly Interacting Waves at the 94<sup>th</sup> Indian Science Congress held at Annamalai University, Tamilnadu during January 3-7, 2007.

**Prof. Manoj Kumar Keshari** gave an invited talk on "Cancellation of projective modules over affine algebras" in the conference on "Projective Modules and complete intersections" held in TIFR Mumbai from 28<sup>th</sup>-30<sup>th</sup> December, 2006.

**Prof. Inder K. Rana** organized an activity based computer supported Math Workshop for School Children on January 21, 2007.

#### Department of Mechanical Engineering

**Prof. B. Ravi** has been selected as an International Member of the ASME Bio-Manufacturing Technical Committee.

#### Dept. of Metallurgical Engg. and Materials Science

**Prof. A. N. Tiwari**, attended the International Conference and Exhibition on Emerging Solutions through Power Metallurgy in Automotive and Engaging Industry and 33<sup>rd</sup> ATM of PMAI (PM-07) during February 9<sup>th</sup> to 11<sup>th</sup>, 2007 at Noida, New Delhi. He chaired a technical session on 'Non Ferrous PM and Nano Materials' where the following papers were presented: I. Pankaj Kumar, A. N. Tiwari and Parag Bhargava: 'Phosphate Bonded Alumina: Effects of Porosity on Mechanical Properties'. II. A. N. Tiwari, C. S. C. Reddy, V. Gopinathan and M. M. Godkhindi: 'Preparation of Nanocrystalline Stainless Steel Powders by Mechanical Alloying'. III. Abhay Sharma and A. N. Tiwari: 'Mechanically Alloyed Nanocrystalline Fe2Al5 Intermetallic Powder'.

**Prof. A. S. Khanna**, was invited by Piitsburgh Paint & Glass to give a talk on Paint Related Activities and presentation on the Role of Nanoparticles Addition in Waterborne Coatings at IIT Bombay on February 12, 2007 and he presented a paper on the Development of Waterborne Coatings by Sol-Gel method at the international conference on

Surface Protective Coating, The Power of Paint, PACE 2007 held at Dallas, Texas USA from 11<sup>th</sup> to 14<sup>th</sup> February, 2007.

#### Department of Physics

**Prof. U. A. Yajnik** delivered the **Prof. N. R. Kamath** Memorial Lecture, St. Xavier's College titled "General Relativity and Cosmology : a perspective" on January 29, 2007. He organised the session on cosmology, on February 5, 2007 at the 24<sup>th</sup> Annual Meeting of the Indian Association for General Relativity and Gravitation, Jamia Millia University, New Delhi. He also attended the Joint Indo-German Workshop on Neutrino Physics (Jigsaw 07) at TIFR on February 16-19, 2007 and delivered a talk on "Gauged B-L Symmetry and Cosmology".

#### S J M School of Management

**R. M. Sonar**, SJMSOM presented a paper titled 'An Enterprise Intelligent System Development and Solution Framework' at 4<sup>th</sup> International Conference on Intelligent Systems (as a part of XIX. International Conference on Computer, Information and Systems Science), held at Bangkok, from 29-31 January, 2007.

**Prof. Atanu Ghosh** was invited to deliver a talk on "The Challenges for SSIs in dealing with fashion products" during the Technical seminars and Industrial exhibition cum vendor development meet organised by the Small Scale Service Institute, Hubli from 22-26 February, 2007. He also gave a talk on Leadership at SDM Institute of Management Development, Mysore and at the Department of Management Studies, IISc, Bangalore on 26<sup>th</sup> February, 2007.

The International Seminar on Mineral Processing Technology, MPT2007 was held at IIT Bombay during February 22-24<sup>th</sup>, 2007. The seminar convened by profs. N. K. Khosla and G. N. Jadhav, was jointly organized by the



## Mineral Processing Technology, 2007

Departments of Metallurgical Engineering and Materials Science, Earth Sciences and Chemical Engineering Department under the aegis of Indian Institute of Mineral Engineers, Vedanta and the Ashapura Group were among the chief sponsors of MPT2007.

The seminar was inaugurated by Dr. Anil Kakodkar, Chairman BOG, IIT Bombay, who highlighted the need to conserve and utilize the mineral resources; while the guest of honor, Mr. Chetan Shah, MD Ashapura Group, spoke on the need to translate

technology into wealth for the country. The seminar had 390 participants including 35 overseas delegates. There were 20 plenary and keynote addresses and 155 papers were presented in 30 technical sessions during the seminar. An Industrial exhibition was arranged on this occasion, which had 16 participating industries from major mining and mineral processing companies, as well as mineral processing equipment and instrumentation manufacturers from India and abroad.

### Student News

**Madhu Ganesh**, PhD student, Department of Chemistry, has given a lecture entitled, "Alpha-Bromonitroethylene as a Tunable Entity for the Suzuki-Miyaura and Sonogashira-Hagihara Cross-Couplings" at the International Conference on Emerging Trends in Chemical Sciences (ICETCS 2007) during January 23-25, 2007, at University of Mumbai.

**Anal Chavan**, Research Scholar, Centre for Environmental Science and Engineering, attended the International conference of Civil Engineering in the New Millennium- Opportunities and Challenges, held at Bengal Engineering and Science University, Shibpur, Howrah from January 11 to 14, 2007, where she presented a paper titled "Feasibility Study on Treatment of Hydrocarbon-rich Wastewater by an Aigal-Bacterial Biofilm in a Bench-Scale Rotating Biological Contactor" co-authored by Prof. Suparna Mukharji, Centre for Environmental Science and Engineering.

**Piyul Mukherjee**, a Ph.D. student of Sociology, Department of Humanities and Social Sciences, presented a paper

titled as "Haggling, Bargaining and Fixed Price Policies, The changing face of Indian Retail", co-authored by Damodar Mall, CEO, Innovations and Food Business, The Future Group, owners of the Big Bazaar and Pantaloon Retail Outlets all over India at an ESOMAR conference held at Valencia, during 19th to 21st February 2007.

**Vivek Bhat**, Research Scholar, Department of Humanities and Social sciences presented a paper titled "Some Interesting Features of Goan Konkani" co-authored by Prof. M. S. Malshe at the International conference on South Asian Languages held at the Central Institute of Indian Languages, Mysore on December 20, 2006.

**Pritee Sharma**, Research Scholar in Economics, Department of Humanities and Social Sciences, presented research paper on Agricultural Productivity in India: Role of Environmental and Institutional Factors at the 6<sup>th</sup> East West Center International Graduate Students Conference. The conference was on Continuity and Change in Asia Pacific: People, Places and Systems organized by University of Hawaii, at Honolulu,

Hawaii, U.S.A., during February 15-17, 2007.

**Uma Mahadevan**, Doctoral student in the Dept of HSS, presented a paper titled: "Readings, Misreadings and Fundamentalist Readings: The Case of 'Water'", at the IRIS (Institute for Research in Interdisciplinary Studies) International Seminar, "The Diasporic Eye: Theory and Cultural Interpretation" from 17-19 February 2007, Jaipur.

**Savita Bhat**, Research Scholar in the H & SS Department presented a paper titled "Technological Strategies and Profit Margins: A Study of Indian Basic Chemical Industry" [co-authored with Prof. K. Narayanan] in the Annual International Conference of the Academy of International Business [India Chapter] held in Xavier Institute of Management, Bhubaneswar during January 29 to 31, 2007.

**Lalithambal Natarajan**, Research Scholar in the H & SS Department Presented a paper titled "International Trade Disputes: Indian Experience with Special Reference to Anti-Dumping" [co-authored with Prof. K. Narayanan] in the Annual International Conference of the Academy of International Business [India Chapter] held in Xavier Institute of Management, Bhubaneswar during January 29 to 31, 2007.

**Priyadarshi Dash**, Research Scholar in the H & SS Department won the Best Doctoral Paper Award for the paper that he presented titled "Behaviour of Current Account in India: Trend, Determinants and Its Implications for Reserves Management" [co-authored with Prof. K. Narayanan] in the Annual International Conference of the Academy of International Business [India Chapter] held in Xavier Institute of Management, Bhubaneswar during January 29 to 31, 2007.

**Manish M. Joglekar**, Research Scholar in Dept of Mechanical



Engineering attended the International Conference on Emerging Mechanical Technology-Macro to Nano (EMTM2N-2007) at BITS, Pilani, during February 16-18, 2007 where he presented a paper entitled "Travel Range Extension of an Electrostatic Microactuator: Nonlinear Parallel Plate Models" authored by himself and Prof. D. N. Pawaskar.

**Uday A. Dabade**, QIP Research Scholar, Department of Mechanical Engineering presented a paper "Some Aspects of Improving Integrity of Machined Surfaces on Al/SiCp Composites", coauthored by Prof. Suhas S. Joshi (IIT Bombay) and V.V. Bhanuprasad (DMRL, Hyderabad), in the Second International Conference on Recent Advances in Composite Materials, ICRAACM 2007, Organised by Institute of Technology, Banaras Hindu University, Varanasi, during 20-23<sup>rd</sup> February 2007 at India Habitat Centre, New Delhi.

### Seminars

#### Department of Aerospace Engineering

**Prof. Ramakrishna Yedavalli**, Department of Aerospace Engineering, Ohio State University, delivered two talks on "Robust Stability Analysis of Uncertain Dynamic Systems with Applications" and "Research on Aerospace Controls at The Ohio State University" on January 29, 2007.

**Mr. Babu Peter**, Founder Director, Aerobiz, Retired Director Engineering Indian Airlines and Air India gave a talk on "Evolution of Aircraft Maintenance" on February 12, 2007.

**Prof. Shripad P. Mahulikar**, delivered a seminar on "Conceptual Investigation of the Entropy Principle for Identification of Directives for Creation, Existence and Total Destruction of Order" on February 26, 2007.

**Department of Chemical Engineering**  
**Prof. Vipin Kumar**, Department of Mechanical Engineering, University of Washington spoke on "Enhancing Innovation by Applying the Axiomatic Design Principles" on 18th January, 2007.

**Prof. Dr. - Ing. Kai Sundmacher**, Max-Planck Institute, Germany spoke on "Electrochemical energy conversion using fuel cells" on January 18, 2007.

**Dr. Ramani Aiyer**, Senior Vice President, Strategic Planning, R&D at Nicholas Piramal India Limited delivered a talk on "Opportunities in New Drug Discovery & Development: My Nicholas Piramal Experience" on 18th January, 2007.

**Dr. K. S.V. Santhanam**, Center For Materials Science and Engineering and Department of Chemistry, Rochester Institute of Technology, Rochester, NY 14623 spoke on "Nanotubes Applications to Catalysis, Fuel Cells, Sensors and Thermal Stabilization" on Friday, 23<sup>rd</sup> February, 2007

#### Department of Civil Engineering

**Prof. P. D. Spanos**, Ryon Chair Professor, Department of Civil Engineering, Rice University, USA spoke on "Joint Time - Frequency Analysis in Structural Dynamics" on 19th January, 2007.

**Dr. Subhamoy Bhattacharya**, Deptt. of Engineering Science, University of Oxford, UK gave a seminar on "Collapse of pile-supported structures during earthquakes: Theory and Practice" on 25th January, 2007.

**Dr. Ushnish Basu**, Senior Scientist, Livermore Software Tech. Corp., USA spoke on "Earthquake analysis of concrete dams as a wave-propagation problem" on 2nd February, 2007.

#### Department of Computer Science & Engineering

**Prof. Ken Perlin**, Professor, Department of Computer Science, New York University gave a talk on "Animation/Graphics (Should be accessible to all)" on February 5, 2007.

#### Department of Electrical Engineering

**Anubhav Dhoot**, Software Development Engineer Microsoft, Redmond, USA, spoke on "An Introduction to Windows CE and an inside look into Microsoft Product Groups" on January 31, 2007.

**Dr. Tamal Bose**, Director- Center for High-speed Information Processing Utah State University, delivered a seminar on "The Euclidean Direction Search (EDS) Adaptive Filtering Algorithm: Theory and applications" on February 13, 2007.

**Dr. Roberto Saracco**, CTO, Telecom, Italia And Member Strategic Board of IEEE gave a talk on "Is there a Future for Telecommunications? Looking into Today's Situation and Challenges Lying Ahead" on February 26, 2007.

#### Department of Humanities and Social Sciences

**S. Anand**, Special Correspondent of the Outlook news magazine and publisher of Navayana, spoke on "Visible Dalit, Invisible Brahman: Towards a critique of Rural Reporting" on 29th January, 2007.

**Ramesh Bairy T. S.**, Fellow in Sociology at the Centre for Studies in Social Sciences Calcutta spoke on "The Bounds of Agency: Engaging the Space of Brahmin Associations of Karnataka" on 2nd February, 2007.



**Prof. N. Jayaram**, Director, Institute for Social & Economic Change, Bangalore spoke on "Deviant Case Analysis" on 8th February 2007.

**Prof. Rajendra Prasad**, former Head, H&SS, IIT Kanpur conducted a periodical lecture series titled "Yashodhara's Moral Anguish, Gautama's spiritual Enlightenment and some Theoretical Problems They Throw Up" on February 20, 2007.

### Industrial Design Centre

**Sudhir Patwardhan** one of India's major artists gave a talk in the Contemporary Arts Course on February 27, 2007. His work has been shown in important exhibitions of Indian contemporary art in UK, Europe, America and Japan.

### Department of Mathematics

**Prof. T. N. Venkataramana** (TIFR, Mumbai) gave a colloquium talk on "Jordan decomposition in lattices and quasi-unipotence of monodromy" on January 24, 2007.

**Prof. Chandrashekhar Khare**, University of Utah, USA delivered a colloquium talk on "Galois Representation" on January 15, 2007.

**Dr. Susana Gomez**, Applied Mathematics Institute, National University of Mexico presented her research work on development of algorithms for global optimization at the Aerospace Engineering Department on 22<sup>nd</sup> February & also delivered a seminar on "Designing an Evolutionary Optimization Algorithm to Characterize naturally fractured oil Reservoirs fitting well test data" on 23<sup>rd</sup> February 2007.

### Department of Mechanical Engineering

**Dr. Brant A. Peppley**, Director of the Queen's - RMC Fuel Cell Research Centre (FCRC) gave a talk on "Fuel

Processing for Fuel Cells" on February 19, 2007.

**Arunava Majumdar**, University of California, Berkeley delivered a seminar on "Nanomaterials for Energy Conversion and Storage" on February 22, 2007.

### Department of Metallurgical Engineering and Materials Science

**Prof. Sushil K. Misra**, Concordia Univ. Canada delivered a seminar on "High frequency, high field EPR: Virtues of multi-frequency EPR" on December 29, 2006.

**Dr. Raja R. Wnsirika**, Senior Scientist at Corning Inc. New York & IITB Alumnus, spoke on "A culture of innovation at corning-materials, process" on 3rd January, 2007.

**Dr. R. W. Revie**, CANMET Materials Technology Laboratory, Natural Resources Canada, spoke on "R & D to Enhance Pipeline Reliability" on January 23, 2007.

**Santosh Y. Limaye**, Vesta Ceramics, LLC, San Diego, California gave a talk on "Journey from engineering education to entrepreneurship" on February 14, 2007.

**Pravin K Narwankar**, Ph.D., Chief Technological Officer, Applied Materials in India Investment Manager Applied Ventures delivered a seminar talk on "Enabling Nano-manufacturing Through Innovations in Materials Processing and Product Development" on February 27, 2007.

### Department of Physics

**Dr. H. Brian Sequeira**, Applied Physics Laboratory, John Hopkins Laboratory, USA delivered a seminar on "Gauss Law: What is it NOT saying? A personal story of Investigation and Discovery" on January 10, 2007.

**Prof. Praveen Chaddah**, UGC-DAE Consortium for Scientific Research, University Campus, Khandwa, Indore, delivered a seminar on "Disorder-influenced 1st Order magnetic transitions - results in half-doped manganites" on January 17, 2007.

**Prof. Bhavtosh Bansal**, Catholic University, Leuven, Belgium delivered a seminar on "Excitons in type-II quantum dots" on January 17, 2007.

**Prof. S.D. Mahanti**, Deptt. of Physics, Michigan State University spoke on "Magnetic excitations in Double Exchange Ferromagnets - CMR Manganites" on January 24, 2007.

**Dr. S. Shankaranarayanan**, Albert Einstein Institute, Germany delivered a seminar on "Inflation as a probe of Planck Scale Physics" on January 24, 2007.

**Prof. Satya N. Majumdar** delivered a seminar on "Large Deviations of Extreme Eigenvalues of Random Matrices" on January 25, 2007.

**Dr. Ramesh Chandra Nath**, MPI CPPS, Dresden, Germany spoke on "Experimental Study of some frustrated 2D and 3DS = 1/2 Heisenberg systems in complex Vanadim oxides" on February 14, 2007.

### Industrial Engineering and Operations Research

**Dr. Kavita Ramanan** from the Department of Mathematical Sciences at Carnegie Mellon University gave a seminar talk on "Optimization and Analysis of Stochastic Networks" on January 23, 2007.

**Dr. Rahul Marathe**, Iowa State University spoke on "Capacity expansion for uncertain demand" on February 12, 2007.



**Prof. K. P. K. Nair**, Professor and Dean Emeritus, Faculty of Business Administration University of New Brunswick, Canada delivered a seminar on "Optimal Transmitted-Receiver System in a Network" on February 23, 2007.

### **Centre for Research in Nanotechnology**

**Prof. Arup Bhattacharya**, Department of Metallurgical Engineering and Materials Science, IIT Bombay gave a Colloquium under the Nanotechnology colloquium series on "Control of multiwall carbon nanotubes dispersion in polymer matrix" on January 22, 2007.

**Pawan Dhar**, Riken Japan delivered a colloquium talk on "Synthetic Biology—engineering perspective of an emerging discipline" on February 19, 2007.

### **Energy Systems Engineering Seminar**

**Dr. Sagar Mitra**, Principal Electrochemist, Replisaurus Technologies-AB, Stockholm, Sweden delivered a seminar talk on "Nano-Technology for next Generation Energy Storage" on February 28<sup>th</sup>, 2007.

### **Kanwal Rekhi School of Information Tehcnology**

**Pallika Kanani**, Graduate student of Dept. of Computer Science, University of Massachusetts at Amherst gave a talk on "Improving Author Co reference by Resource-bounded Information Gathering from the Web" on 16th January 2007. **Prof. Shashi K. Gadia**, Department of CS, Iowa State University delivered a seminar on "Abstractions and their realization in the parametric approach to spatial, temporal and belief data" on February 13, 2007.

### **SJM School of Management**

**Mr. Basant Raj Bhandari**, Formal Principal Adviser, International Trade Centre UNCTAD/WTO, Geneva, delivered a talk on "WTO Negotiations and Honkong Ministerial Discussions" on January 18, 2007.

**Dr. Shailesh J Mehta**, President, Granite Hill Capital Ventures and Chairman, Peach Direct, USA and a Distinguished Alumnus of IIT Bombay, gave a talk on "Leadership" on 29th January 2007.

### **Central Library**

The Central Library, IIT Bombay in collaboration with Max Muller Bhavan, Mumbai was organized a half day's program on "Innovative Services of a Special Library". **Dr. R. Ball**, Head of the Central Library of Research Centre Julich, Germany was the main speaker. It also included a presentation on the recently launched, Institutional Repository of IIT Bombay and demos of E-Books on February 27, 2007.

### **Publications**

**Prof. Manoj Kumar Keshari**, Department of Mathematics published a paper titled "Euler class group of a Laurent polynomial ring: local case" in *Journal of Algebra*. 308 vol 2, 666-685 (2007).

**Prof. Mamata Mukhopadhyay**, Department of Chemical Engineering has authored a textbook titled 'Fundamentals of Cryogenic Engineering' (ISBN-978-81-203-3057-3) which has been published by Prentice-Hall of Ind. Pvt. Ltd., New Delhi in February, 2007.

**Prof. A. N. Tiwari**, Dept. of Metallurgical Engaging & Materials Science published a paper: 'Composite Materials for Automotive Brakes' in *power Metallurgy: Processing for Automotive, Electrical, Electronic and Engaging Industry* (ed. P. Ramakrishnan), New Age International Pub. New Delhi (2007) pp 86-102.

### **Swimming Club News**

The 22<sup>nd</sup> Annual Swimming Gala 2007 with the reputation of having ace swimmers as participants like Lekha Kamath and Veer Dhaval Khade (who

represented India in Asia Pacific) was organized by IIT Bombay during 24-25<sup>th</sup> February, 2007 at its swimming pool. It had a wonderful response of 350 participants all over the state representing 56 of the best swimming clubs all over the city. There were even participants from Kolhapur, Nashik, Ichalkaranji, Pune, New Mumbai, besides Thane and Mumbai. There were 80 events covering different age groups like under 7, 9, 11 and 15 years for both boys and girls besides events for college boys, girls, men and women. 6 records were broken again this year. The star swimmers of the meet Miss Surabhi Tiple of NMSA three meet records in women category, Miss Rujuta Bhatt of Khar Gym three meet records in girls under 11 years.

The following swimmers of IIT swimming club brought laurels to IIT are Mr Sarwesh Paradkar, Viverdhan Kanoria, Jibin George, Siddarth Rao Deb, Shruti Reddy, Pankaja Date, Surya Prasad Sharma, Rahul Koppikar, Javid Naik & Madhu Prasad Sharma. Overall the event provided good competition to budding star swimmers and was expertly managed and organized by Dr. P. M. Reddy (Swimming Coach at IIT Bombay and Head of Swimming Gala 2007) and Apurva Godbole (Swim Secretary IIT Bombay).

### **Staff News**

The following news item published in February Issue had given wrong information. The corrected one is: Shri Jaiprakash M. Yadav, Watchman, Security Section participated in the Master Athletic Meet of Maharashtra, held on 3<sup>rd</sup> & 4<sup>th</sup> February, 2007 at Bhandara. He received awards in all events in the 40+ age group i.e. II place in 1500 meters and III place in 800, 5000 and 10000 meters. He also selected for National Master Athletic Meet 2007.

**Appointments**

Prof. Kartic C. Khilar, Deptt. of Chemical Engineering has been appointed as a Head of the Centre for Research in Nanotechnology and Science (CRNTS) from 5<sup>th</sup> February, 2007.

**Retirements**

(As on 31.3.2007)

1. Prof. Rehana Ghadijally  
Hum. & Soc. Sci. Deptt.
2. Prof. D. M. Dewaikar  
Civil Engg. Deptt.
3. Shri. P. G. Rakhe  
Cash Section
4. Shri. M. S. G. Kutty  
CAD Centre
5. Ms. Rosy D'silva  
Campus School
6. Shri. M. P. Gamare  
Elec. Engg. Deptt.
7. Shri. T. D. Lahane  
Estate Office
8. Shri. B. G. Pakhare  
Met. Engg. & Met. Sci. Deptt.
9. Shri. B. T. Patil  
Estate Office

**Events**

March 13, 2007 Time: 4.00 p.m	48 <sup>th</sup> Foundation Day Celebrations Venue: P. C. Saxena Auditorium		
Courses for March 2007			
No.	Course Title	Department	Date
1.	Low Cost Hi-Tech Automation With Applications	Prof.P.N.Ramakrishnan Mech. Engg.	March 09 - 13
2.	Submarine Pipelines, Pile Driveability Analysis and Large Strain Finite Element Analysis (for ONGC, Panvel)	Prof. D.M. Dewaikar Civil Engg.	March 12 - 17
3.	Building Effective Business Organisations in Indian Apparel Industry	Prof. A. Ghosh SJMSOM	12-14
4.	Aayaam-07: CEPWorkshop on Service Oriented Architecture (SOA) and Semantic Web	Prof. Varsha Apte, Prof. S. Sudarshan Computer Sc. & Engg.	March 16 - 18
5.	Paint Coatings, Inspection and Quality Control	Prof. S.N. Malhotra Mett. Engg. & Mats. Sc.	March 20 - 24
6.	High Strain Rate Behaviour of Materials (TBRL, Chandigarh)	Prof. N.K. Naik Aerospace Engg.	March 20 - 24
7.	Embedded System Software	Prof. K. Arya KReSIT	March 24 - 25

Campus Diary is edited and published by Public Relations Officer, IIT - Bombay, Powai, Mumbai- 400 076, Printed at IIT Printing Press, Designed by VC Cell, IDC  
**For Private Circulation only.**

Material for publication in Campus Diary should reach PPR section by the 19th of the previous month or by email to: pro@iitb.ac.in / campusdiary@iitb.ac.in

