



Grape - Vine



A quarterly newsletter of Indian Institute of Technology Kanpur for alumni and friends 2005-06/II

INSTITUTE

Two IITK Scientists bag Shanti Swarup Bhatnagar Award



Prof. Kalyanmoy Deb, Department of Mechanical Engineering received S.S. Bhatnagar Prize for the year 2005 in Engineering Sciences from Honorable Prime-Minister Dr. Manmohan Singh.



Prof. Vinod K. Singh, Department of Chemistry received S.S. Bhatnagar Prize in Chemical Sciences for the year 2004.

Three IITK students bag Aditya Birla Scholarship - 2005



Piyush Srivastava (CSE, B.Tech.), Shraddha Nigam (ChE, B.Tech.) and Utkarsha Upadhyay (EE, B.Tech.) have been awarded the prestigious Aditya Birla Scholarship - 2005. Each one of them will receive Rs.65,000/- per year during their stay at the institute. Among 20 scholars selected this year 8 are IITians

(out of which 3 are from IITK).

IITK and Caltech Sign an MOU

IIT Kanpur and California Institute of Technology (Caltech) have signed an MOU for Summer Undergraduate Research Exchange Programme. This will facilitate (a) 3 UG Students of IITK to conduct summer research at Caltech and vice-versa, and (b) to set up a summer undergraduate research programme at IITK with advice from Caltech.

ALUMNI



Kanpur Chapter of Alumni Association had its get together at Status Club in Navin Market, Kanpur over a dinner on October 15, 2005. About 101 alumni and families participated. The event was organized by Mr. Gopal Sutwala (BT/CHE/73) and Mr. Ashok K. Bajaj (BT/CHE/73) and sponsored by Mr. Mukul Ranjan (BT/CHE/84) along with other generous alumni.

A get together of Ahmedabad Chapter of Alumni was organized by Mr. Vishnu Varshney (BT/EE/69) at Le Meridien Hotel in Ahmedabad on September 24, 2005. About 30 alumni attended the meet.

Professor Sudhir K. Jain, Dean RPG made a presentation on the ongoing alumni and fund raising activities. The entire event was sponsored by GVFL Ahmedabad (Gujarat Venture Finance Ltd.).



Pan IIT Alumni Meet was held at Lucknow on September 10, 2005 during which a Panel Discussion was also held on theme, "Social Responsibility of Engineering Profession". It was a success in terms of attendance and in terms of interest. About 160 alumni of different IITs were present during the meet.

IITLC's Functions

IIT London Chapter Summer Luncheon was attended by over 100 people at the Bombay Palace Restaurant on June 26, 2005. The chief guest of the occasion was Sir Michael Arthur, the British High Commissioner to India. Sir Michael's thought provoking speech on "Britain's Role in Modern India" highlighted many aspects of India/UK co-operation in the areas of Biotech, Pharmaceuticals, Nanotechnology, Civil engineering, Nuclear Physics, ICT and Material Science. Over a hundred alumni, family and friends attended the IIT London Chapter annual picnic on Sunday September 4, 2005 at Herons Bonsai Nursery. The gathering unanimously thanked Peter Chan and his wife Dawn for their hospitality.





In BITS Pilani Sports Meet held from September 15-19, 2005 we won Gold Medal in Shotput and Silver Medals in Basketball and Badminton. Also, in Inter IIT Aquatic Meet held during October 1-4, 2005 at IIT Roorkee we were overall second and first in girls events.



Batra 1967 Gold Medal

In memory of Late Prof. N.K. Batra, a Gold medal for the best final-year UG student in Materials and Metallurgical Engineering has been set up by the class of 1967 in memory of their class mate. Prof. Batra (BT/MME/67;MT/MME/69) was a faculty at IITK since 1977 and passed away by sudden heart attack on September 6, 2003.

IITK Computer Network Gets Intrusion Prevention System

IIT Kanpur received donation of two Intrusion Prevention Systems (IPS) devices from iPolicy, a company focussed on security market, and which has its major development center in Noida. The devices were handed over to Head, Computer Center, by Mr. Rajeev Goel, CEO of iPolicy. Mr. Rajeev Goel is an alumnus of IITK (BT/MT/CHE/76/78). The IPS will detect and prevent unauthorized access on the network. It acts as the first line of defence for any computer system and plays a significant role in ensuring the security of the network. The cost of the equipment is Rs.25 Lakh (US\$ 57,000) approximately.



Dr. Hari Mohan & Pushpa Srivastava Scholarship

Mr. Amitabh Srivastava (BT/EE/1979) has set up a merit-cum-means scholarship of Rs.2,000/- per month for Computer Science and Electrical Engineering UG Students. Mr. Srivastava is currently a Corporate Vice President of the Windows Core Operating System Development and a Microsoft Distinguished Engineer. He graduated from IIT Kanpur with a B.Tech. in Electrical Engineering in 1979 and did his M.S. in Computer Science from Pennsylvania State University. He has worked at Texas Instruments Research Labs, DEC Western Research Labs, and did a start-up before joining Microsoft.

Sri Temasek@IITK UG Scholarship

Dr. Damodaran Murali (BT/AE/81) has set up the Sri Temasek@IITK UG Scholarship of Rs.2000/- per month open to students in any field of engineering. Born in Singapore, Murali attended IITK to study Aeronautical Engineering. After graduating from IITK, he took his MS and PhD at Cornell University and worked at NASA Ames Research Centre before returning home to Singapore where he is currently a faculty member in the School of Mechanical and Aerospace Engineering at Nanyang Technological University.

Canteen in Kendriya Vidhyalaya, IIT Kanpur

Mr. Ajay Gupta of Lexington, USA has contributed a substantial sum to partially support the construction of a canteen in the premises of Kendriya Vidhyalaya, IIT Kanpur. Mr.Gupta is originally from Kanpur city and has been a student of Kendriya Vidhyalaya, IITK. He is Founder & President/CEO of Everburn, Lexington, KY USA. Everburn is a market leader in manufacturing of ceramic logs for gas fireplaces.

Annual Gift Programme

IIT Kanpur has just launched the Annual Gift Programme wherein the alumni and friends of IITK can contribute any amount, small or large, annually. Details are available at <http://www.iitk.ac.in/drpg/givingiit.htm>

Distinguished Lecture Series

With the generous support of our alumni and well wishers, the following lectures have been conducted during 2005 as on 31st October:

- ★ **Dr.Devendra Shukla Lecture Series** - Prof.M.Anandakrishnan on "Positive Attributes of IITs - its Slow Impact on Technical Occasion"; Prof.G.D.Agarwal on "Technologies Add to the Environmental Degredation" and Dr.R.H.Siddiqui on "Reliability of Planning, Design and Utilization of Water and Sewage Treatment Facilities" on August 20, 2005. Lecture series is funded by Dr.Devendra Shukla (BT/CE/67).
- ★ **Dr.M.A.Pai Lecture Series** - Dr.M.Ramamorthy, Director ERDA, Bangalore on "Development in Electric Motor - A Historical Review" on April 8, 2005 and Prof.S.C.Dutta Roy, IIT Delhi on "Circuit Theory Can Be Fun" on October 28, 2005. Lecture series is funded by Prof. Vijay Vittal (MT/EE/79).
- ★ **Prof.D.R.Rao Lecture Series** - Prof.Ravindra Kumar, TIFR, Mumbai on "Non Linear Optics Scales New Peaks" on February 28, 2005. Lecture series is funded by Dr.Satish Dasari, S/o. Prof. Ramachandra Rao Dasari, former faculty member of IITK.
- ★ **Prof.A.N.Bose Lecture Series** - Dr.Pradip Bhatnagar, Vice President, New Drug Discovery Research, Ranbaxy Laboratories Ltd.on "Current Trends in Pharmaceutical Industry and Drug Discovery" on October 14, 2005. Lecture series is funded by Dr.Arindam Bose (BT/CHE/75).
- ★ **Prof.C.N.R.Rao Lecture Series** - Prof.Ashutosh Sharma, IITK on "Of Small Things and Other Stories" on April 13, 2005. Lecture series is funded by Prof. C.N.R. Rao, Chairman BOG, IIT Kanpur.
- ★ **Dr.R.S.Pandey Lecture Series** - Dr.Gangan Prathap, Director CMMACS (a CSIR Lab) on "Management-by-stress; Model of Finite Element Computation" on October 4, 2005. Lecture series is funded by Dr.Rakesh Pandey (BT/ME/78).
- ★ **Mr.Umang & Ruth Gupta Lecture Series** - Mr.Pawan Kumar, Chairman & CEO of vMoksha Technologies, Bangalore on "Social Entrepreneurship - How to Change the World" on April 16, 2005. Lecture series is funded by Mr. Umang (BT/CHE/71) and Ruth Gupta.
- ★ **Dr.E.S.P. Das Lecture Series** - Prof.A.K.Sood, IISc Bangalore on "Nanotube Dynamo: Flow Induced Voltage Generation" on February 14, 2005. Lecture series is funded by Dr.E.S.P.Das (MT/MSP/67).
- ★ **Petro Tel Distinguished Lecture Series** - Prof.K.S.Gandhi, IISc Bangalore on "Modeling as a Vocation: A Personal Account" on February 8, 2005. Lecture series is funded by Mr. Anil Chopra (BT/CHE/76).
- ★ **J.Mahanty Lecture Series in Physics** - Prof.G.Baskaran, Institute of Mathematical Science, Chennai on "Excitements in Condensed Matter Physics" on April 7, 2005. Lecture series is funded by Mr. and Mrs.Siddhartha Mahanty, S/o.Prof. J.Mahanty, former faculty of IITK.
- ★ **P.D.Murthy Memorial Lecture** - Mr.V.K.Malhotra, Chairman, FCI, New Delhi on "Foodgrain Distribution in India: Challenges of a Large Scale Supply Chain" on August 16, 2005. Lecture series is funded by Mr.Ram Mohan (BT/AE/70).

JEE new admission rules

- ✍ The new JEE Admission Rules will be applicable from JEE-2006
- ✍ Candidates appearing in (10+2) or equivalent qualifying examination in 2006 must secure at least 60% (55% for SC/ST) marks in aggregate in their respective Board Examination.
- ✍ A student can have only two attempts to appear in JEE – in the year in which he or she passes the XII standard examination and / or in the following year.
- ✍ Candidates who join any of the IITs, IT-BHU Varanasi, and ISM Dhanbad through JEE-2006 will not be permitted to appear in JEE in future.
- ✍ One time exception for candidates, who have passed their qualifying examination in 2005 or earlier: will be permitted to appear in JEE-2006, as a last chance, irrespective of marks secured or number of earlier attempts subject to their satisfying the age limit. This one time exception will also be applicable to the candidates who are currently registered in any of IITs, IT-BHU Varanasi, and ISM Dhanbad.

Short Course on Seismic Evaluation & Strengthening of Buildings



A short course on Seismic Evaluation and Strengthening of Buildings was organized at IIT Kanpur, during 8-12 August, 2005. The course was an activity of National Program on Earthquake Engineering Education (NPEEE) and was attended by 27 teachers of engineering colleges from various parts of the country. In addition, 9 professionals and 1 teacher from Bangladesh also attended the short

course. The focus of the course was on introducing a consistent and reliable procedure for evaluation of expected performance of an existing building in earthquakes. This would help identify various structural deficiencies, not only the type of weakness, but its extent, a quantitative estimate, which would lead the structural engineer to develop a correct strategy for its seismic strengthening.

Review Workshop on Earthquake Engineering

A week long review workshop was organized at IIT Kanpur by the National Information Center of Earthquake Engineering (NICEE) during 29 August – 03 September 2005 for postgraduate students from across India. Seventy Four students from 32 different engineering colleges across the country participated in this workshop.



Afghanistan Delegation Visit

A high level delegation from Afghanistan accompanied by key officials of Ed.CIL/MHRD/MEA and faculty members from six universities of Afghanistan visited IITK on 7th of September for an educational study tour. Their purpose was to gain in-depth understanding of higher education institutions of excellence in India. Faculty members accompanying the delegation were drawn from Kabul, Nangrahar, Kandahar, Balkh, Herat universities and Kabul Polytechnic. The delegation headed by Advisor to Afghan Minister of Higher Education Abdul Rahim Hussdnyan included Vice-Chancellor of Kabul University Prof. Z Zahib and education specialist of World Bank Scherezad Latif.



Workshop on String Theory

A National Workshop on String Theory was organized from October 10-16, 2005 at IIT Kanpur. The workshop was co-sponsored by Harish Chandra Research Institute, Allahabad; Institute of Physics, Bhubaneswar; Institute of Mathematical Sciences, Chennai and Tata Institute of Fundamental Research, Mumbai. The objective of the workshop was to review the emerging frontline areas in String Theory and enhance national and international collaborations amongst the community as well as with Indian Scientists.



Short Course on Airborne Altimetric LiDAR



A Short Course on Airborne Altimetric LiDAR was organized at IIT Kanpur during October 17-20, 2005 by the Geoinformatics Group of Department of Civil Engineering. The Course was second in the series and aimed at providing training on fundamentals of this technology. During the opening ceremony, Dr. Bharat Lohani, Course-Coordinator spoke about the significance of LiDAR technology for a developing country like India.

National Workshop on System Administration

A two day National Workshop on System Administration was conducted at IIT Kanpur during October 21-22, 2005. The workshop was organized by Computer Centre. The goal of the workshop was to educate system administrators of educational institutions about solution to the problems faced by them, such as, spam, hacking, etc. There were talks on how to manage resources in most efficient ways. Also, some speakers talked about upcoming technologies and products which system administrators should keep in mind while planning and upgrading their centers. Speakers represented virtually every major IT vendor in the country, including, HP, SUN, MicroSoft, CISCO, VSNL, Adobe, Barracuda Networks, Red Hat, AMD, EMC, HCL and NOD32.

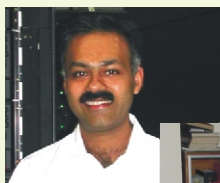


Antaragini-2005
Cultural Festival

Awards & Honours

- ♦ Professor Ramesh P. Singh, Department of Civil Engineering has received invitation by the George Mason University to be an Affiliate Faculty.
- ♦ Professor Pankaj Jalote, Department of Computer Science has been elected to the editorial board of International Journal of Empirical Software Engineering.
- ♦ Professor H Ila, Department of Chemistry has been chosen for 'Professor PC Dutta Memorial Lecture-Award'.
- ♦ Professor JP Gupta, Department of Chemical Engineering has been elected to the editorial boards of the two prestigious international journals: Journal of Loss Prevention in the Process Industries (Elsevier) and Process Safety and Environmental Protection (Institution of Chemical Engineers UK).
- ♦ Professor Dipak Mazumdar, Department of Materials and Metallurgical Engineering has recently been elected a Fellow of the Indian Institute of Metals.

The M.Tech. thesis of T.S.R.Ch. Murthy (former DGFS Fellow) entitled "Processing and Characterization of TiB₂-based materials" has been adjudged for 'INAE Students' Innovation Potential Award' for M.Tech. Thesis. Ch. Murthy's thesis was jointly supervised by Prof. Bikramjit Basu (MME), Prof. R.Balasubramaniam (MME) and Dr.A.K.Suri (Associate Director, Materials Group, BARC).



Fellow of INAE

Professor Sanjay Mittal of Aerospace Engineering Department has been elected as a Fellow of the Indian National Academy of Engineering (INAE).



Fellow of National Academy of Sciences

Professor RC Budhani, Department of Physics, has been elected a Fellow of the National Academy of Sciences, India.



Young Engineer Award-2005

Dr. Avinash Kumar Agarwal of Department of Mechanical Engineering has been selected for the INAE Young Engineer Award-2005.

UPCOMING EVENTS

Conferences & Symposiums

- ♦ Physics 2005: 100 Years after Einstein's Revolution, November 4-6, 2005
- ♦ National Symposium on Scientific Computing with Application to Partial Differential Equations, November 19-21, 2005
- ♦ Symposium on Role of Patent Literature in Technology Development, December 1-2, 2005
- ♦ International Conference on Computational & Experimental Engineering and Sciences (ICCES'05) in Chennai, December 1-6, 2005
- ♦ National Symposium on Current Trends in Materials' Characterization, December 5-7, 2005
- ♦ Non-Conventional Sources of Energy, December 5-9, 2005
- ♦ Session (H35) on Soft Computing Tools for Hydrologic Modeling at the AGU Fall Meeting 2005, December 5-9, 2005, San Francisco, California, USA
- ♦ Winter Academy 2005, December 6-11, 2005
- ♦ Indo-German Winter Academy 2005, Jamshedpur, December 11-18, 2005
- ♦ Mathematics Alumni Convention & International Symposium on Interdisciplinary Thrust Areas, December 12-13, 2005
- ♦ International Conference on Natural Language Processing (ICON-2005), December 18-21, 2005
- ♦ Special Session on Intelligent Control, 2nd Indian International Conference on Artificial Intelligence (IICAI-05), December 20-22, 2005
- ♦ Special Session on "AI Applications to Hydraulics, Water Resources, and Environmental Engineering (HWREE2005)" at the 2nd Indian International Conference on Artificial Intelligence (IICAI2005) to be held in Pune in December 20-22, 2005
- ♦ National Seminar on Engineering Response to Hazards of Terrorism, February 16-17, 2006
- ♦ First Indo-US Frontiers of Engineering (FOE) Symposium, March 2-4, 2006
- ♦ The 12th International Planning History Conference in New Delhi, December 10-18, 2006
- ♦ International Conference on Intelligent Sensors and Control, December 17-21, 2006
- ♦ International Conference on the Applications of the Mossbauer Effect, October 14-19, 2007

Courses & Workshops

- ♦ International Workshop on RFID and Wireless Sensors, November 11-13, 2005
- ♦ Role of Patent Literature in Technology Development, November 16-17, 2005
- ♦ Winter School on Scientific Computing, November 19-21, 2005
- ♦ Short Term Course on Mechatronics, December 1, 2005 to February 1, 2006
- ♦ Short Term Course on Non-Conventional Sources of Energy, December 5-9, 2005
- ♦ Short Term Course on Developments in & Applications of All Solid State Lasers, December 5-10, 2005
- ♦ Short Term Course on Modeling in Metals Processing: Concepts, Theory and Application, December 6-9, 2005
- ♦ Workshop on Mechanics, Machines & Manufacturing, December 9-10, 2005
- ♦ Indo-German Winter Academy 2005, Jamshedpur, December 11-18, 2005
- ♦ Overview of VLSI Design, December 20-24, 2005
- ♦ Short Term Course on Developments & Applications of All Solid State Lasers, January 9-14, 2006
- ♦ E-Course on Seismic Design of Liquid Storage Tanks, January 16-February 6, 2006
- ♦ Workshop on Fuel Cells Power Device of the Future, February 3-4, 2006
- ♦ Common Trends in Traffic Systems: Physical & Computational Models in Transportation Engineering & Biological Sciences, February 8-10, 2006
- ♦ Workshop on IITK Hackers' 2006, February 24-26, 2006
- ♦ Short Term Course on Seismic Design of Buried Pipelines, February 28-March 4, 2006
- ♦ Workshop on Quantum Computing, March 6-12, 2006
- ♦ Workshop on Modelling of Ladles Fitted with Dual Plugs, March 24-25, 2006
- ♦ Workshop on Integrated Watershed Management, September 4-22, 2006
- ♦ International Workshop on "Physics of Mesoscopic & Disordered Materials", December 4-8, 2006
- ♦ Symposium-cum-Workshop on Complex Fluids, December 11-15, 2006

REUNION DATES

- ♦ Silver Jubilee Reunion (Class-of-81) December 30-31, 2005
 - ♦ 35th Year Reunion (Class-of-71) January 2-3, 2006
- Details available at www.iitkalumni.org/reunions/ For further information, contact Alumni Association at IITK: alumni@iitk.ac.in

Vote for the Proposed Amended Constitution of Alumni Association, IITK

To vote: click on the following URL:

<http://www.iitkalumni.org/whatsapp/ContestLogin.asp>

The present constitution and the proposed amendments are at the following URLs: <http://www.iitkalumni.org/aboutiitkaa/constitution.asp>

http://www.iitkalumni.org/aboutiitkaa/proposed_amendments.htm

To vote you need to have previously registered your name at our alumni website. For registration please go to the URL:

<http://www.iitkalumni.org/registration/registrationMain.asp>

In case of difficulty, please contact at alumni@iitk.ac.in