

IIT KANPUR: CELEBRATION OF

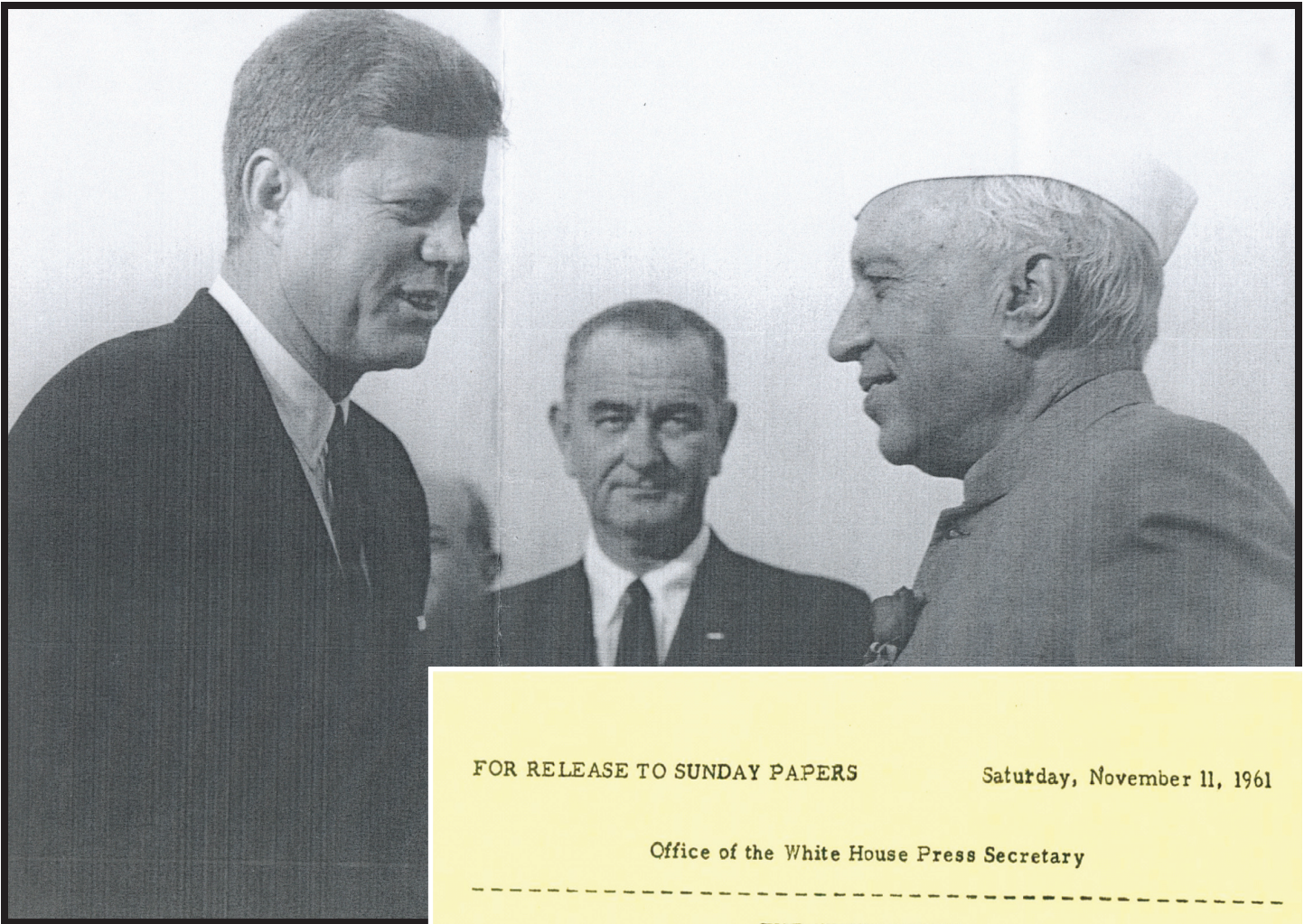
50th

ANNIVERSARY

WASHINGTON DC, JULY 9-10, 2010



**IIT KANPUR
GOLDEN JUBILEE**



John F. Kennedy's birthday gift to Pt. Jawaharlal Nehru.

"IIT Kanpur has excelled in teaching, research and innovation to be ranked the best college in 2010"
– India Today Magazine

FOR RELEASE TO SUNDAY PAPERS

Saturday, November 11, 1961

Office of the White House Press Secretary

THE WHITE HOUSE

President Kennedy announced today formation of an educational consortium representing nine United States universities and institutes of technology to help in the development of the Indian Institute of Technology at Kanpur, India.

Participating in the consortium, which is being sponsored by the new United States Agency for International Development (AID) are:

California Institute of Technology, Carnegie Institute of Technology, Case Institute of Technology, Massachusetts Institute of Technology, Ohio State University, Princeton University, Purdue University, University of California, and University of Michigan.

"This is the first time such a consortium has been used in United States aid programs in the field of education," the President noted. "I am delighted that these nine major centers of knowledge and learning have been willing to pool their resources, in cooperation with the Agency for International Development, to cooperate in the development of advanced education facilities in India in this important phase of her Third Five Year Plan.

The success of this cooperative enterprise will be a model for other similar efforts on the part of the United States to share our educational and technical resources with the peoples of the developing nations of the world."

"I am particularly hopeful that Prime Minister Nehru will consider this project a souvenir of his visit."

#

IIT KANPUR: Celebration of 50th Anniversary

July 9th & 10th – 2010

IIT Kanpur Golden Jubilee Convention
Washington D.C.

Dear Alumni, Faculty, Guests and Friends,

Welcome to the Golden Jubilee Celebrations of Indian Institute Technology – Kanpur (IIT-K)! This golden opportunity comes only once and we all as a part of this valuable community are extremely delighted to have your company during these two days.

While the celebrations here in the District of Columbia focuses on the historical evolution on IIT-K and collaborations between India and the U.S., the alumni and the academia have successfully conducted series of conventions across cities in India. This event along with the upcoming Santa Clara Convention (July 16th-18th, 2010) are the two key celebratory events in the U.S. These events could not have come at a better time. A recent survey conducted by India Today and Nielson ranked IIT-K at #1 among the universities across India

As you browse through this guide and engage through the different sessions of this conference, you will hopefully experience the evolution of IIT-K over the last 50 years and pay tributes to the member universities of KIAP and all the KIAP – era faculty / contributing members. It is our honor and privilege to host them at this convention and hope that you will have the opportunity to engage with them and their experiences.

Welcome again to this joyous moment and to the beautiful city of Washington D.C. This is a great city to be in during this season and we hope you would take time to witness many remarkable attractions across this area.

With best regards

Volunteers / Organizing Committee
IIT-K Golden Jubilee Celebrations
Washington D.C



IIT KANPUR: Celebration of 50th Anniversary

Volunteers

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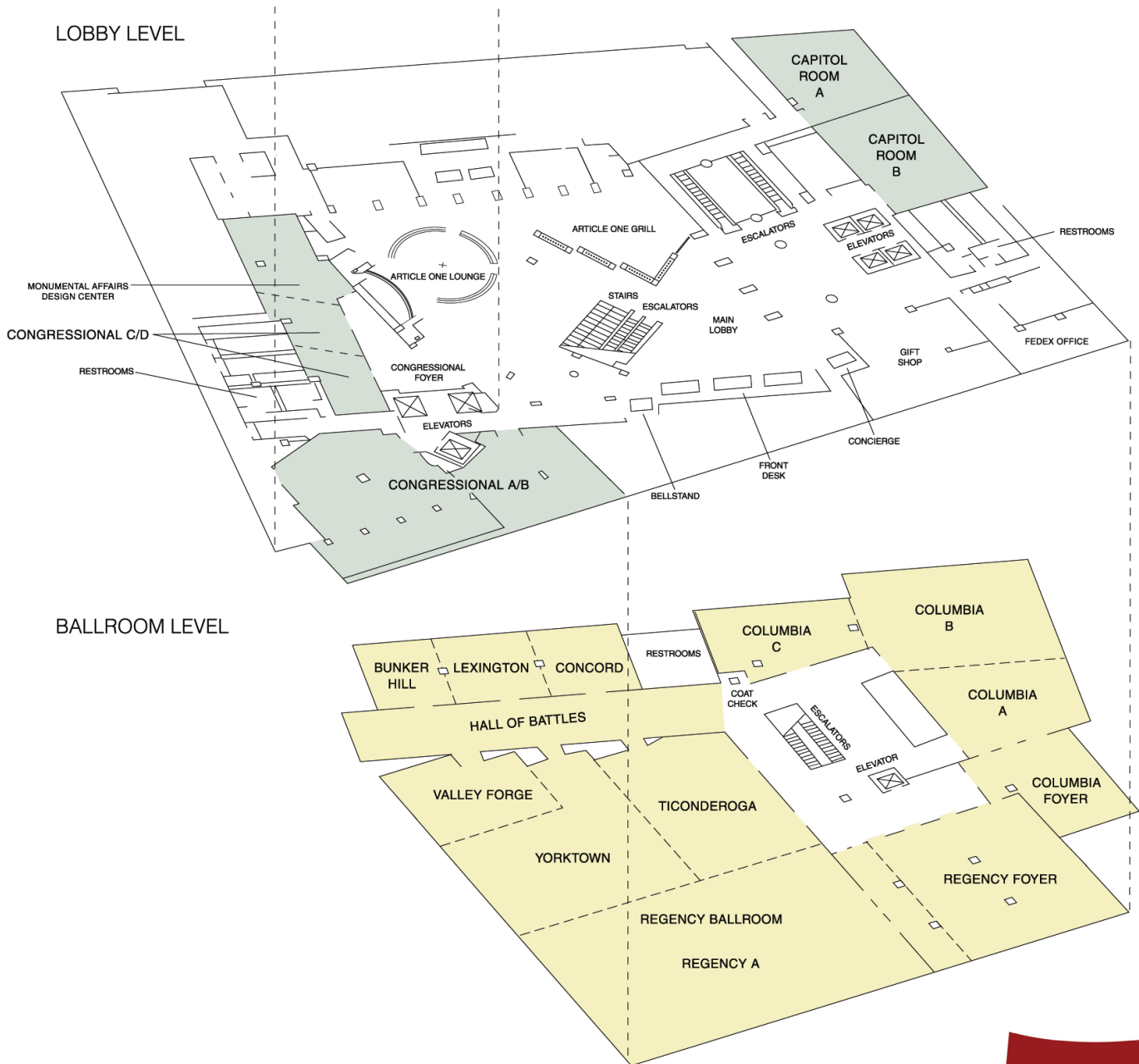
BJ Singh (Event Mgmt)

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IIT KANPUR: Celebration of 50th Anniversary

PROGRAM AGENDA

FRIDAY - July 9th IIT K Special Sessions

8.00 - 9:30 AM	Coffee and Registration (Front of REGENCY FOYER)
9:30 - 9:35 AM	Welcome by the Director, IIT Kanpur, and Introduction by the Chairman, BoG, IIT Kanpur - (TICONDEROGA ROOM)
9:35 - 9:40 AM	Address by Ambassador Arun K Singh, Deputy Chief of Mission, Indian Embassy
9:40 - 9:50 AM	Opening remarks by the Chairman, BoG, IIT Kanpur - (TICONDEROGA ROOM)
9:50 - 10:10 AM	Felicitations of KIAP Participant Universities - (TICONDEROGA ROOM)
10:10 - 10:20 AM	Response Speech - (TICONDEROGA ROOM)
10:20 - 10:25 AM	Vote of thanks by the Deputy Director, IIT Kanpur - (TICONDEROGA ROOM)
10:25 - 11.00 AM	COFFEE - (REGENCY FOYER)
11.00 - 12:30 PM	Panel discussion on KIAP: Past, Present & Future (Partnerships - IIT K and US Universities) - (TICONDEROGA ROOM) Chaired by Prof. M. Anandkrishnan, Chairman, BoG, IIT Kanpur Prof. D. Ramakrishnan Prof. A. Ghosh Prof. V. Stokes
12:30 - 3:00 PM	Lunch & Networking - (REGENCY FOYER)
3.00 - 4:30 PM	Panel discussion on Innovation in Research Cooperation - (TICONDEROGA ROOM) Chaired by Prof. S.G. Dhande, IITK Director Dr. Ranjan Sen Prof. Sumant Nigam Prof. Vivek Sarkar
4:30 - 5:00 PM	Closing remarks - (TICONDEROGA ROOM)

FRIDAY - July 9th IIT K Golden Jubilee Opening

4.00 - 6.00 PM	Registration & Reception - (REGENCY FOYER)
6.00 - 6:15 AM	Welcome Remarks and Opening Session - (REGENCY A)
6.15 - 7:15 PM	Opening Keynote: "The Next Phase of India US Partnership: Challenges and Opportunities" by Dr. John Hamre, President, Center For Strategic & International Studies (CSIS), fmr US Deputy Secretary of Defense - (REGENCY A)
7:15 - 8.15 PM	Honoring KIAP Participants and Pioneer Faculty - (REGENCY A)
8:15 - 9.30 PM	DINNER - (REGENCY FOYER)
9.30 - 9.40 PM	Vote of Thanks - (REGENCY A)
9.40 PM Onward	Entertainment: DJ and Networking

SATURDAY - July 10th

7:30 - 9:00 AM	Breakfast & Registration (REGENCY FOYER)
9:00 - 10:00 AM	KEYNOTE - Congressman Jim Moran (VA)- (REGENCY A)
10:00 - 10:15 AM	Coffee Break And Move To Break Out Sessions (REGENCY FOYER & HALL OF BATTLES)
10:15 - 12:00 PM	Opportunities for US India Collaboration in Energy - (YORKTOWN) Energy and Environment - Dr. Arun Majumdar, Director ARPA-E US Dept of Energy Peter Fox Penner Pankaj Agarwal Anil Chopra
10:30 - 12:00 PM	Inspiration Panel: Off the beaten path - (TICONDEROGA) PD Rai, Member of Parliament, India Saroj Kumar Jha, Global Expert Team Lead – Disaster Recovery and Management, The World Bank Muktesh Pant - President of YUM Brands Madhu Chadda - Filmmaker
12:00 - 1:00 PM	Lunch + Batch Reunion + Networking Break Before Lunch - (REGENCY A)
1:00 - 1:45 PM	Lunch Keynote - Robert O. Blake - (REGENCY A)
1:50 - 3:30 PM	The future of Education - (REGENCY A) Dr. Anandakrishnan Dr. Satish V. Kulkarni Michael DiPaula-Coyle
1:50 - 3:30 PM	Entrepreneurship & Mentoring - (YORKTOWN) Pradeep Wahi Dr. Triveni Upadhyay (GPS technology) Mohit Uberoi Geetanjali Swamy
1:50 - 3:30 PM	Down the memory lane with KIAP era faculty - (TOCONDEROGA) Prof. EC Subbarao Robert Green – Former Program Director, KIAP Jerry Viehelr, KIAP Participant Prof. Vijay Stokes
3:30 - 3:40 PM	BREAK
3:40 - 5:20 PM	Vision 2020: Alumni's vision for IIT Kanpur - (TICONDERGA)
5:20 - 6:00 PM	Networking Reception - (REGENCY FOYER)
6:00 - 6:45 PM	Distinguished Alumni Award Keynote Address by Hon. Meera Shankar (Indian Ambassador to USA)- (REGENCY A)
6.45 - 7.30 PM	DA Recognition and Award Presentation - (REGENCY A)
7:30 - 8:45 PM	IIT@50 Recognition Keynote - Aneesh Chopra - (REGENCY A)
8:45 - 9:30 PM	DINNER - Dress Code: Dressy And Classic (REGENCY A) IIT@50 Awards (Meera Shankar) Volunteers' Recognition
9:30 - 10:30 PM	DJ Gala Entertainment - "The Capitol Steps" (REGENCY A)
10:30 PM Onward	DJ and Networking

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KEYNOTE SPEAKERS



JOHN J. HAMRE

John Hamre was elected president and CEO of CSIS in January 2000. Before joining CSIS, he served as the 26th U.S. deputy secretary of defense. Prior to holding that position, he was under secretary of defense (comptroller) from 1993 to 1997. As comptroller, he was the principal assistant to the secretary of defense for the preparation, presentation, and execution of the defense budget and management improvement programs. Before serving in the Department of Defense, Dr. Hamre worked for 10 years as a professional staff member of the Senate Armed Services Committee. During that time, he was primarily

responsible for the oversight and evaluation of procurement, research and development programs, defense budget issues, and relations with the Senate Appropriations Committee. From 1978 to 1984, he served in the Congressional Budget Office, where he became its deputy assistant director for national security and international affairs. In that position, he oversaw analysis and other support for committees in both the House of Representatives and the Senate. Dr. Hamre received his Ph.D., with distinction, in 1978 from the School of Advanced International Studies at the Johns Hopkins University, where his studies focused on international politics and economics and U.S. foreign policy. In 1972, he received a B.A., with high distinction, from Augustana College, emphasizing political science and economics. The following year he studied as a Rockefeller fellow at Harvard Divinity School.



JOHN J. HAMRE

Congressman Jim Moran was first elected in 1990 and is currently carrying out his tenth term as U.S. Representative from Northern Virginia.

A senior member of the Appropriations Committee, Congressman Moran Chairs the Subcommittee on the Interior and Environment and also serves on the Defense and State and Foreign Operations Subcommittees.

Congressman Moran holds a leadership role in the Democratic Caucus as a member of the House Democratic Steering and Policy Committee. He is a Co-Chair of the Task Force on Trade for the New Democrat Coalition, a group he helped found in 1997. Further, Jim also serves as Co-Chair of the Congressional Prevention Coalition and heads the Task Force on Sovereign Wealth Funds, which was established to study issues surrounding sovereign wealth funds and their potential to affect geopolitics and the U.S. and international economies.

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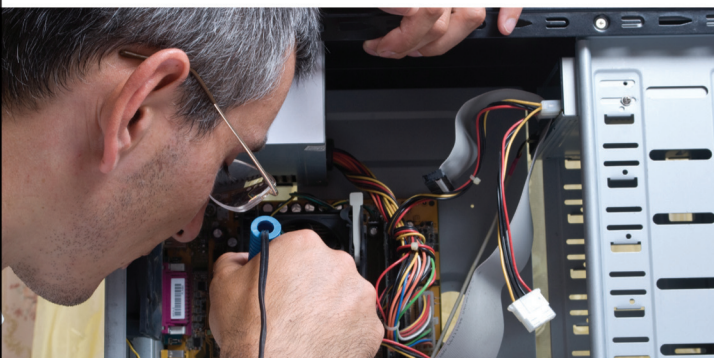
With our knowledge-driven approach, we offer pinpoint expertise and skill sets for addressing some of the toughest problems of our time.

ICF International is proud to be a sponsor of the IIT Kanpur Golden Jubilee East Coast Convention.

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KEYNOTE SPEAKERS



ROBERT O. BLAKE

Bob Blake is a career Foreign Service Officer. Ambassador Blake entered the Foreign Service in 1985. He has served at the American Embassies in Tunisia, Algeria, Nigeria and Egypt. He held a number of positions at the State Department in Washington, including senior desk officer for Turkey, Deputy Executive Secretary, and Executive Assistant to the Under Secretary for Political Affairs. Ambassador Blake served as Deputy Chief of Mission at the U.S. Mission in New Delhi, India from 2003 – 2006, as Ambassador to Sri Lanka and Maldives from 2006 to mid-2009, and as Assistant Secretary for South and Central Asian

Affairs from May 2009 to the present. Mr. Blake earned a B.A. from Harvard College in 1980 and an M.A. in international relations from Johns Hopkins School of Advanced International Studies (SAIS) in 1984.



ANEESH CHOPRA

Aneesh Chopra is the Chief Technology Officer and in this role serves as an Assistant to the President and Associate Director for Technology within the Office of Science & Technology Policy. He works to advance the President's technology agenda by fostering new ideas and encouraging government-wide coordination to help the country meet its goals from job creation, to reducing health care costs, to protecting the homeland.

Aneesh was sworn in on May 22nd, 2009. Prior to his appointment, he served as the fourth Secretary of Technology for the Commonwealth of Virginia from January 2006 until April 2009. Prior to his appointment by then-Governor Timothy M. Kaine, he served as Managing Director with the Advisory Board Company, a publicly-traded healthcare think tank. Chopra was named to Government Technology magazine's Top 25 in their Doers, Dreamers, and Drivers issue in 2008. Aneesh Chopra received his B.A. from The Johns Hopkins University and his M.P.P. from Harvard's Kennedy School. He and his wife Rohini have two young children.



MEERA SHANKAR

Ms Meera Shankar was born on 9 October 1950. She joined the Indian Foreign Service in July 1973. She has held several important assignments during her career: she served as Director in the Prime Minister's Office from 1985 to 1991; was posted to Washington DC and served as Minister (Commerce) from 1991 to 1995. Thereafter, she headed the Indian Council of Cultural Relations in New Delhi overseeing India's cultural diplomacy. Subsequently, in the Ministry of External Affairs, she headed two important divisions dealing with the South Asian Association of Regional Cooperation (SAARC) and

relations with Nepal and Bhutan. After promotion to the rank of Additional Secretary in 2002, she held the responsibility for the United Nations and International Security.

Her last assignment was as Ambassador of India to Germany from 1st December 2005 to 6th April 2009. Ms Meera Shankar arrived in Washington DC on 26 April, 2009. She is married and has a daughter.

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ENERGY PANEL



DR. ARUN MAJUMDAR

Dr. Majumdar became the first Director of the Advanced Research Projects Agency – Energy (ARPA-E), the country's only agency devoted to transformational energy research and development, in October 2009. Prior to joining ARPA-E, Dr. Majumdar was the Associate Laboratory Director for Energy and Environment at Lawrence Berkeley National Laboratory and a Professor of Mechanical Engineering and Materials Science and Engineering at the University of California, Berkeley. His highly distinguished research career includes the science and engineering of energy conversion, transport, and storage

ranging from molecular and nanoscale level to large energy systems. He received his bachelor's degree in Mechanical Engineering at the Indian Institute of Technology, Bombay in 1985 and his Ph.D. from the University of California, Berkeley in 1989.

DR. PETER FOX PENNER

Dr. Fox-Penner specializes in economic, regulatory, and strategic issues in network industries. His practice centers on energy and environmental policies and electric regulatory planning and competition issues. He is also experienced in the natural gas, communications, transportation, and environmental industries and is a frequent expert witness on these issues. He is a frequent speaker on energy topics and the author of numerous published articles and books, including the highly acclaimed *Electric Utility Restructuring: A Guide to the Competitive Era* and his new book from Island Press, *Smart Power: Climate Change, the Smart Grid, and the Future of Electric Utilities*.

DR. PANKAJ AGARWAL

Dr. Agarwal is the founder and managing director of Panitek AG, a Liechtenstein based invested company with focus on Cleantech. He has extensive experience in business development and commercialization of new technologies in the renewable energy sector. He is the founder and CTO of Indian Energy Limited, a renewable energy IPP that is developing wind energy projects in India. He has a Ph.D. in Chemical Engineering from the University of Florida, Gainesville, an MBA from the Rotterdam School of Management, Erasmus Graduate School of Business, Netherlands with focus on globalization and sustainable development. He has a Bachelors in Chemical Engineering from the Indian Institute of Technology, Kanpur, India.

DR. ANIL KUMAR CHOPRA

Dr. Chopra is a Founder, Distinguished Engineering Advisor and Chairman with PetroTel, which he founded in 1999. He is a world renowned reservoir engineer and has worked on all facets of reservoir and production engineering, miscible gas flooding, pressure transient analysis, reservoir characterization and modeling, compositional simulations; gas condensate reservoirs, coal bed methane, and water flood reservoir management. He has over 35 publications in the literature in all different facets of reservoir engineering. One of the first consulting projects of Dr. Chopra and PetroTel was the seismic interpretation of Reliance's onshore and offshore blocks. This work led to the biggest discovery of gas in India. PetroTel also helped Reliance put together the very first field development plan of the Dhirubhai field. Today, Dhirubhai field produces

more than 1 BSCF/day of gas and is supplying India's energy needs. Dr. Chopra has a Bachelors degree in Chemical Engineering from the Indian Institute of Technology, Kanpur, India, and a Ph.D. degree in Chemical Engineering from the University of Houston.

INSPIRATION PANEL



SUDHAKAR KESAVAN

Sudhakar Kesavan serves as Chairman and Chief Executive Officer of ICF International, a global management, technology & policy consulting firm trading on NASDAQ and headquartered in Fairfax, Virginia. Under Mr. Kesavan's leadership, ICF International has grown on an average 42 percent over the past 4 years and ICF is recognized as one of the world's largest consulting firms specializing in climate change, energy, environment, transportation and health issues. Mr. Kesavan was named a "Tech Titan" and an "industry leader" by Washingtonian Magazine and "Executive of the Year" by the US Professional

Services Council in 2009.

Mr. Kesavan serves on the Boards of a number of non-profit and charity organizations:

- Northern Virginia Technology Council (NVTC)
- Rainforest Alliance, a New York based non-profit environmental organization committed to protecting ecosystems
- American Red Cross of the National Capital Area (www.redcrossnca.org).

Mr. Kesavan is also a supporter of IIMPACT (www.iimpact.net) a non-profit organization focused on primary education for girls from economically and socially backward rural areas of India.

Mr. Kesavan received his master of science degree from the Technology and Policy Program at the Massachusetts Institute of Technology (MIT) (1984), his post graduate diploma in management from the Indian Institute of Management, Ahmedabad (IIMA) (1978) and his bachelor of technology degree (chemical engineering with distinction) from the Indian Institute of Technology, Kanpur (IITK) (1976).



SAROJ KUMAR JHA

Saroj Kumar Jha is the World Bank's Global Manager and Head of the Global Facility for Disaster Reduction and Recovery (GFDRR). In his position, he provides strategic guidance and policy advice for the Bank's disaster prevention, preparedness and recovery programs. As the head of the GFDRR Secretariat, he is responsible for managing the operations of World Bank's partnership with UN and donors for mainstreaming disaster risk reduction in development plans of the natural disaster hotspot countries.

Prior to joining the Bank, Mr. Jha was a member of the Indian Administrative Service for more than fifteen years where he coordinated a large number of post-disaster humanitarian relief and long-term recovery and reconstruction projects. He worked with the United Nations Development Programme (UNDP) in India and Iran for more than five years, coordinating the implementation of disaster recovery and mitigation programs. He has been closely associated with various global multilateral and inter-governmental mechanisms on disaster prevention and reconstruction. Mr. Jha received his bachelor of technology degree in civil engineering from Indian Institute of Technology, Kanpur (IITK) (1986)

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MUKTESH PANT

Muktesh Pant is the President, Global Branding for Yum! and Chief Marketing Officer for Yum! Restaurants International.

In this role, Mr. Pant provides global focus and prioritization of the company's actions and establishes their global strategy in over 100 countries. Yum! is the world's largest restaurant company in terms of units, with 35,000 restaurants of the following brands - KFC, Pizza Hut, Taco Bell, A&W and Long John Silver.

In 1995, he was appointed the Managing Director of Reebok India, where he rose to become the Regional Director of Reebok International and the Chairman of Reebok India and of Reebok South Africa. He served Reebok International at Boston, Massachusetts, USA as the Senior Vice President of its Global Marketing Division and took care of advertising and promotion, licensing and sports marketing, the internet and web-marketing, global retail presence and the management of Olympic federations.

Mr. Pant today specializes in consumer marketing and brand management and has risen to the top echelons of international business management. He was instrumental in establishing Reebok in emerging markets in Asia. In recognition of his truly exceptional skills, he was appointed a member of the Task Force set up by the Government of India on Indian Trade Policy for promoting India's Export in 1994. In 1996 he was nominated one of the "Stars of 2000" by Business India. Calling him a wizard of business management, India Today in 1999 declared him one of the "Faces of the Millennium".

Trained in the Indian environment and rising to the heights of global recognition, Mr. Pant is often said to be a 'walking, talking, delivering global advertisement for a Made in India product' in today's globally competing business world. He is keenly interested in passing on his own management experiences to younger generations. He has earlier taught as a visiting faculty for the MBA students at the Bombay University and does the same today at Suffolk University in Boston, Massachusetts, USA. He is on the panel of the visiting faculty of several other prestigious business schools and has also co-authored a book on exports and their promotion in today's global world. Muktesh Pant received his bachelor of technology in chemical engineering from IIT Kanpur in 1976

MADHU CHADDHA

Madhu for this decade is a film maker - Saat Rang Productions. Completed a documentary on IIT-Gandhi Nagar after the first semester and is now working on a documentary on IITK. She enjoys challenge and change. Madhu likes to tell stories she hears about of people who are challenged or disadvantaged in some form. Women in oppressive situations, pochampally weavers going from a vibrant community to committing suicides because of globalization - rising expectations leading to debt, loss of livelihood due to onslaught of cheap Chinese goods and the rising cost of living.

Madhu started her career in software and consulting in the era when PCs were just being given birth. But Madhu always wanted to connect more on the human side - Human emotions gave her a connect that computers could not and so her second career included suicide prevention. Madhu started a suicide prevention centre in Hyderabad, with the support of Dr. Anji Reddy, Chairman - Dr. Reddy's Labs. She was the first ever volunteer out of 30,000+ volunteers world wide to have been selected to visit UK to study similar centers in UK. Madhu got also involved in teaching people soft skills and, after training in psychology, she became a psychological counselor. Even with her busy schedule Madhu continues to find time to teach and provide counseling services.

Madhu received her PG Diploma in Psychological Counseling from St. Francis College, Hyderabad (2005), her Master of Science degree from Osmania University, Hyderabad (1983), and her bachelor of technology degree (mechanical engineering) from the Indian Institute of Technology, Kanpur (IITK) (1979).

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THE FUTURE OF EDUCATION PANEL



LUTHER S. LUEDTKE

President and Chief Executive Officer of Education Development Center, Inc., a global non-profit research and development organization headquartered in Newton, MA. Founded to develop MIT's Physical Sciences Studies Curriculum in the mid-1950s, EDC has been independent since 1958 and currently conducts some 350 education, health, and economic development projects throughout the United States and 30-40 developing countries. EDC administered the USAID contract under which a consortium of U.S. universities supported the development of IIT Kanpur in the 1960s. Currently EDC is training 350,000 teachers and reaching 42 million school children in India by Interactive Radio Instruction. Prior to joining EDC in 2006, Luedtke was President of California Lutheran University (1992-2006) and a professor of English and American Studies and director of the School of Journalism at the University of Southern California (1970-1992). He has been a Distinguished Fulbright Scholar and Director of the American Studies Research Centre in Hyderabad, India, Fulbright Lecturer at the University of Kiel, Germany, and Resident Scholar with the U.S. Information Agency (USIA). His books include *Nathaniel Hawthorne and the Romance of the Orient* (1989), which was grounded in economic and cultural exchanges between India and the U.S. in the early 19th century. He received his B.A. from Gustavus Adolphus College and his Ph.D. from Brown University.



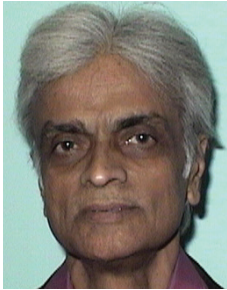
DR. M. ANANDAKRISHNAN

Dr. M. Anandakrishnan obtained his Ph.D in Civil Engineering (1960) from the University of Minnesota, USA and was Professor of Civil Engineering at IIT, Kanpur (1963 to 1974). He was the first Science Counselor at the Embassy of India Washington, D.C. (1974 to 1978). He served in the United Nations Centre for S&T for Development, New York from 1978 to 1989 and later as Vice-Chancellor of Anna University for two terms from 1990 to 96. He was Vice-Chairman of the Tamil Nadu State Council for Higher Education from 1996 to 2002 and concurrently the Advisor to the Chief Minister of Tamil Nadu on Information Technology and e-Governance. He was Chairman, Madras Institute of development Studies from 2003 to 2008.. Since June, 2007 he is the Chairman, Board of Governors, Indian Institute of Technology (IIT) Kanpur. His honours and awards include Padma Shri from the President of India (2002); The Order of Scientific Merit from the President of Brazil (1996); Distinguished Leadership Award of the University of Minnesota (2003); Honorary Fellow of the Indian Society for Technical Education (2005); UGC National Swami Pranavananda Saraswati Award in Education (2006); Doctor of Science (Honoris Causa) from Kanpur University (2008); Fellow of the Institution of Engineers, India and Fellow of the National Academy of Sciences, India.



MICHAEL DiPAULA-COYLE

Michael DiPaula-Coyle serves as Director at the U.S.-India Business Council, a premier business advocacy organization under the auspices of the U.S. Chamber of Commerce representing America's top companies investing in India. Founded in 1975, the Council works to enhance bilateral investment and trade flows and serves as a direct link between business and government leaders. In his role, Michael he oversees a broad management and policy portfolio, including digital economy, insurance and pensions, financial services and media and entertainment. He served as the lead U.S. Government policy coordinator for the U.S.-India High Technology Cooperation Group. Michael received his undergraduate degree from the University of St. Andrews, Scotland, and his Master's Degree from King's College, London.



DR SATISH V. KULKARNI

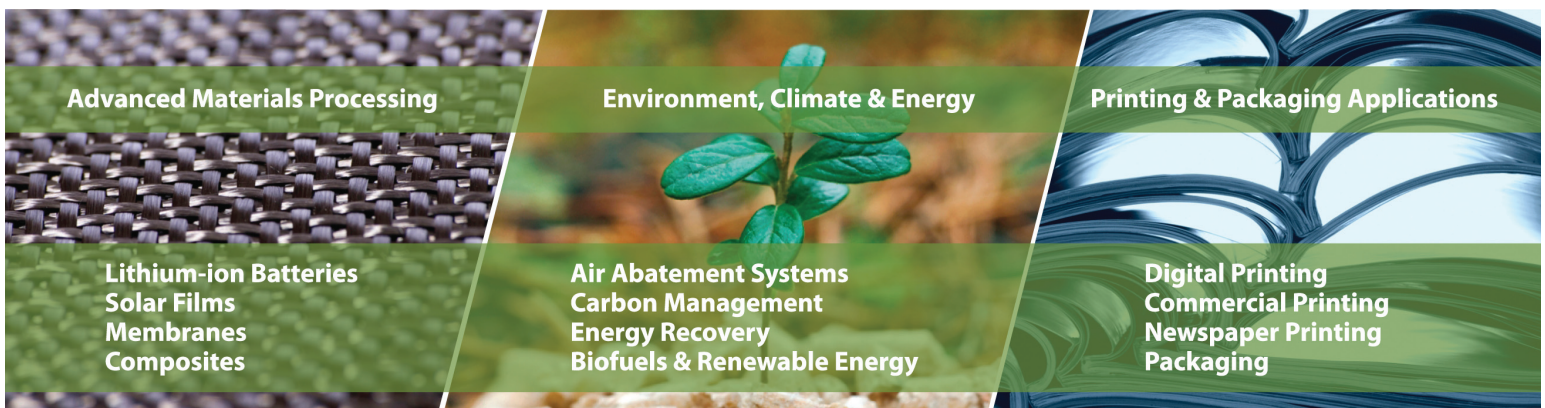
Dr. Satish V. Kulkarni is currently Associate Vice-President for New initiatives and Partnerships at Georgetown University. In this role, he is engaged in the University's globalization efforts and in developing partnerships with universities, national laboratories, and other consortia.

Before coming to Georgetown, he was the Counselor for Science, Technology, Environment and Health Affairs at the U.S. Embassy in New Delhi, India with the Department of State.

Prior to that, on deputation from Lawrence Livermore National Laboratory (LLNL), he held the position of Executive Director, Laboratory Programs/Laboratory Management in the Office of the

President at the University of California in Oakland. He was previously the Division Leader of the New Technologies Engineering Division (formerly the Nuclear Test Division) at LLNL. While there, he transformed the Division from its nuclear testing focus to a multi-program role in homeland security, nonproliferation, energy and environment, and biosciences.

He has studied at Calcutta University, IIT Kanpur and has a Ph.D. in Engineering Mechanics from Virginia Tech. He was the first winner of the Jagadish Bose National Science Talent Search Award (modeled after the Intel Awards in the US) In India. He received the Society of Sigma XI Research Award for outstanding graduate research and was recently inducted into the Academy of Engineering Excellence at Virginia Tech for "meritorious lifetime achievements and contributions to the engineering profession".



Congratulations & Best Wishes for IITK GJ Celebrations

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ENTREPRENEURSHIP & MENTORING PANEL



PRADEEP WAHI

Mr. Pradeep K. Wahi is the Chairman and CEO of Antenna Research Associates, Inc.- a technology and manufacturing company with facilities in Maryland, Massachusetts and Europe. Antenna Research has been supporting RF Systems Development and Integration efforts since 1963. It was acquired by Mr. Wahi in 1989, shortly after he completed his MBA degree from the Wharton School of Business. In 1999, Antenna Research was recognized as a "FAST 50" company in the Greater Washington area. He has been an advisor and Director to both public and privately held technology companies and an investor in several early stage companies, including PowerMax Global, a Smart-Grid Company. With an SBA backed loan, Mr. Wahi invested his life savings in to own and grow a high technology enterprise- Antenna Research. He is an active member of numerous civic organizations and Professional Societies and co-author of several articles and two books. Mr. Wahi was recognized as a Distinguished Alumnus of IIT Kanpur in the Greater Washington Area and he is a recipient of the Joseph Wharton Award from the Wharton Club of the Greater Washington Area.



Dr TRIVENI N UPADHYAY

Dr. Upadhyay has over 25 years of advanced GPS product development and senior level project management experience with the primary focus on developing and marketing low-cost, low-power GPS receivers, integrated GPS/IMU, cellular wireless communications and GPS anti-jam products. As the founder and Chairman, he has been the technical director of projects for the numerous government and industry projects that have made fundamental contributions to the field of GPS anti-jam techniques, GPS/INS navigation and wireless communications systems. In March 2000, Dr. Upadhyay founded and served as President and CEO of Envoy Networks, Inc., a venture capital funded company focused on developing and marketing third generation (3G) commercial mobile cellular technology and products. Envoy Networks was acquired by Texas Instruments, Inc in 2002. Dr. Upadhyay has published over twenty-five papers in technical journals. He is the co-inventor of six U.S. Patents: 2 in wireless communications technology and 4 in GPS technology.

GITANJALI SWAMY

Dr. Gitanjali (Gita) Swamy is a Founder and Board Member of AARM Corporation, the world's only provider on Insight on Demand for Alternative Asset investors. She is also Adjunct Faculty at Columbia University and Teaching Faculty at Harvard University, where she teaches graduate classes on Financial Technology and Private Equity. Prior to her current roles, Dr. Swamy was an investment professional with The Carlyle Group, investing in venture and growth equity. Prior to Carlyle, she worked with Matrix Partners, advising them on investment strategy and portfolio incubation. She also worked on Corporate Spin-offs and New Business Creation as a Strategy Consultant at Booz Allen and Hamilton. Her operating career includes senior executive (Vice President, Senior Director, Director) and operating roles in strategy, marketing, product management through successful fund raising and acquisitions at companies like Smartlink Radio Networks (acquired by CalAmp), Envoy Networks (acquired by Texas Instruments), The MathWorks and Mentor Graphics. She is a Partner at The Zuci Group, an India focused private equity holding company, which she founded together with her husband Prof. Sanjay Sarma, to help create new businesses. She helped found and served on the Board of Directors of Auripay (acquired by Cyota) and AARM Corporation. She is an investor in Cyota (acquired by RSA), Oat Systems (acquired by Checkpoint), Noble Devices and DAH Ltd, a subsidiary of Fabindia Overseas in which IFC is a co-investor.



MOHIT UBEROI

Dr. Mohit Uberoi is the President and CEO of MEGTEC Systems, a global industrial equipment supplier to the energy storage, solar, environmental and printing industries. Dr. Uberoi holds undergraduate and doctoral degrees in Chemical Engineering. He started his career in research and development at W. R. Grace & Co. - a \$10 billion specialty chemicals manufacturer. Through various mergers and acquisitions he along with senior management created MEGTEC – a global capital equipment and services company that was sold to Sequa Corporation – a \$ 2 billion NYSE company... In 2008 working with private equity groups at Carlyle, Hamilton Robinson and Stephens he led a MBO to create an independent MEGTEC company with \$250 million in annual revenue. One of the company's business units is working with leading automotive and battery companies to create advanced Li-ion batteries for electric and hybrid automobiles. He is credited with creating \$100+ MM in investor value in the past six years.



VENKAT KRISHNAMURTHY

Venkat currently serves as CTO of Checkpoint Systems (NYSE: CKP) where his charter includes product strategy and innovation. Prior to this he served as CTO/VP Product Management for OATsystems Inc (acquired by Checkpoint). Prior to OAT he was CTO/VP Engineering at Metris (acquired by NIKON Corporation). He previously founded Paraform (acquired by Metris) which created CAD/PLM software products. Prior to Paraform, he co-founded invisAlign - "The clear alternative to braces" in case you've seen the advertisement on TV (NASDAQ: ALGN) . He is also the recipient of an Academy Award from the Academy of Motion Pictures Arts and Sciences for his pioneering inventions in the area of three-dimensional scanning software.

IIT KANPUR: Celebration of 50th Anniversary

DOWN THE MEMORY LANE PANEL-KIAP



E. C. SUBBARAO

E. C. Subbarao was born in Narsapur, Andhra Pradesh in 1928. He received his B.Tech. degree from Banaras Hindu University in 1949, his Master's degree from the University of Washington, Seattle, WA in 1953 and his Ph.D. degree from the Pennsylvania State University in 1957.

For the second phase of his career, Subbarao joined the newly established Indian Institute of Technology, Kanpur in 1963 in his first teaching position. He was a Professor at IIT Kanpur till 1981. Subbarao was the first Head of the Department of Metallurgical Engineering, First Dean of Faculties, and first Convener of the Interdisciplinary Programme in Materials Science. He established the Advanced Centre for Materials Science. A key player in the creation of IIT Kanpur as a world class institution in a short time, Subbarao contributed to the intellectual, administrative and international aspects of this process as well as academia-industry interaction.

Subbarao's research and academic achievements in Materials Science, embodied in ten books and over 200 publications in high impact journals, are recognized by his election to the Fellowship of all the three Academies of Science and Engineering in India and some abroad, besides many prestigious Medals and Awards from learned bodies. Subbarao was actively involved in several Government initiatives from inception such as the Department of Science and Technology, Department of Electronics, Indo-US Science and Technology Initiative, Atomic Energy Regulatory Board, among others.

In recognition of his contributions, IIT Kanpur conferred its first Honorary Fellowship on Subbarao in 2006. He authored a book, 'An Eye for Excellence: Fifty Innovative Years of IIT Kanpur', published by Harper Collins in 2008. In 1981, Subbarao became the Founder-Director of Tata Research Development and Design Centre, Pune, a Division of Tata Consultancy services, set up 'to apply science and technology for the benefit of Indian industry and people'. The 'Spirit of IIT Kanpur' helped him build this first institution of its kind.

VIJAY K STOKES

Vijay K Stokes was a faculty at IIT Kanpur (1964-1978), where he served as the Head of the Mechanical Engineering Department from 1974 to 1977. He then worked at GE Corporate Research and Development in Schenectady, New York, from 1978 to 2002, where for fifteen years he worked on mechanics issues relating to the use of plastics in load-bearing applications. He received BSc Engg (HONS) Mech (1961) from Banaras Hindu University and an MSE (1962) and PhD (1963) in Mechanical Engineering from Princeton University. He considers IITK to be his intellectual home where, through participating in new curriculum building activities, he thinks he got a better education than the students. At IITK his extra academic activities included being a Secretary of the Cooperative Society; re-rendering the seal of IITK; designing the graphic layout of all the diplomas, in which the names of recipients were printed; initiating the Association of Mechanical Engineers; and being the President of the Students' Gymkhana, recommending that the Gymkhana President should be a student leading to the creation of a Dean of Students position. Since 2007 he has been an Advisor to the IITK History Book Project.

For last 25 years he has been studying the culture of the area 50 miles North of Shimla where he grew up. This includes characterizing the phonology of, and developing a script for, the local language, and making digital recordings of the three genres of folk music and video recordings of three genres of folk dance. as well as modernizing the apple orchard started by his grandfather in the 1920s.

ROBERT S. GREEN

Born in Lafayette, Indiana in 1914. He obtained a degree in civil engineering at Purdue University in 1936 with a special interest in structural design. He worked at American Bridge and Sinclair Refining and Carnegie Illinois Steel. He worked on the design of the Third Locks Project at the Panama Canal. At Weirton Steel, his design work included buildings, bridges, and steel mill equipment. During World War II, he served the U.S. Navy in submarine construction and in command of a hull and machinery supply vessel in the Southwest Pacific. He joined Ohio State and a year later became Chairman of a new Department of Welding Engineering. He spent the next several years with course and curriculum development and equipment and expansion planning. The years 1964-66 were spent at IITK leading the American faculty group. Professor Green retired in 1974 after spending some years teaching Structures in Architecture.

JERRY VIEHEL

Jerry Viehel was the administrator for the KIAP Program for EDC, who managed the program. He was also a principal author of the KIAP end-of-the-program report produced 1972. He played a key role in capturing and assessing the KIAP program, its spirit and triumph.

**Prof. S.G. Dhande,
IITK Director,
Carries the torch forward**



IIT KANPUR: Celebration of 50th Anniversary



KANPUR INDO-AMERICAN PROGRAM (KIAP)

Soon after independence, in the wake of new hopes and new aspirations, the fledgling Government of India of Pandit Jawaharlal Nehru realized that if the omnipresent gap between expectation and achievement were to be minimized it would be necessary, especially in the fields of science and education, to collaborate closely with the advanced nations of the world. This realization took the form, at the hands of Shri Humayun Kabir, the then Minister of State for Scientific Research, of international collaboration for a rapid tempo of development of higher education in the Indian Institutes of Technology. At his insistence, and that of the Government of India, a team of six American educators, put together by the American Society for Engineering Education, visited India in 1958, and after studying the pattern of education here, submitted a four volume report (the ASEE report) concerning the future Indian Institute of Technology Kanpur for further discussion between the Ministry of Scientific research and Cultural Affairs and the United States Agency for International Development (USAID). Subsequently a team of three professors of MIT led by Professor N C Dahl visited India in 1961 January- February in order to conduct an in-depth survey of engineering institutions of higher learning. This visit was financed by the Ford Foundation and the purpose was to see how far MIT alone could undertake to assist the newly established IIT Kanpur. The group assessed the task to be formidable for a single institution and reported accordingly to President Julius A Stratton of MIT. USAID having agreed to the suggestion of the Dahl group that a consortium

of universities/institutions be formed to establish assistance to IIT Kanpur over a period of ten years, President Stratton invited representatives of several institutions of USA to a meeting on 1961 May 26. The blueprint for USAID-GOI collaboration suggested by this meeting formed the basis of the eventual operation. On 1961 August 8 USAID entered into an agreement with the Education Development Centre, Newton, Massachusetts, for the corporate management of the project.

In the months of August and September Dr P K Kelkar, the Director of IIT Kanpur, and Mr. G K Chandiramani, Joint Educational Adviser in the Union Ministry of Scientific Research and Cultural Affairs, visited USA. They had meetings with the US Steering Committee first at MIT, Cambridge, and a month later, after visits to all consortium institutions, at the University of California, Berkeley. In the first week of 1961 November members of a sub-committee, again led by Professor Dahl, visited IIT Kanpur and had meetings with Dr Kelkar and the faculty (of twenty or so). They also visited the land where construction work had begun. Later they had a series of meetings in Delhi with officials of some Ministries and Departments of the Government of India and with USAID officials. This visit became a springboard for further developments in the working relationships of the four parties concerned: IIT Kanpur, the Consortium, USAID and the Government of India. The local US organization came to be known as the Kanpur Indo-American Programme (KIAP), a name and an acronym formed by Chandiramani.

Over the next ten years (1962-1972) the KIAP activity had three major components: (1) Consortium staff working in Kanpur under the stewardship of a Programme Leader, (2) Some IIT Kanpur faculty members receiving on-the-job experience in the Consortium institutions, and (3) the procurement of equipments, books and journals not available in India.

The number of Consortium staff at any one time, was not large, but had specialized faculty, who brought a broad spectrum of ideas and intellectual resources from these nine institutions. The first batch of nine participants including a programme leader arrived in Kanpur in March 1962. In December 1965 the participant strength reached a peak of 28 which decreased to 24 by December 1967 and by December 1971, that is just before the termination of the programme in June 1972, it reduced to 8. The KIAP programme leaders were:

Leader	Term
Prof Norman C Dahl, MIT	1962-1964
Prof Robert S Green, OSU	1964-1966
Prof Robert L Halfman, MIT	1966-68
Mr Gilbert Oakley Jr, EDC	1968-1971
Prof J G Fox, CMU	1971-1972



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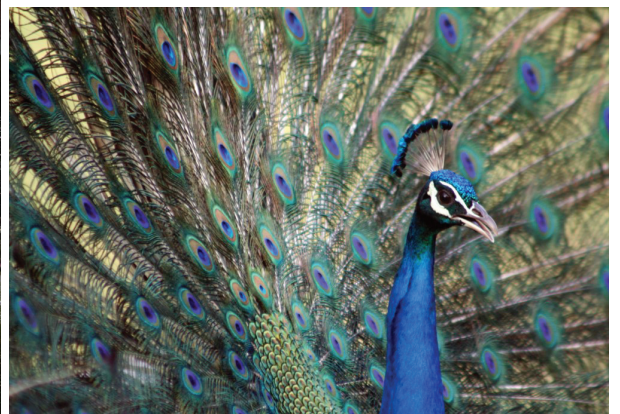
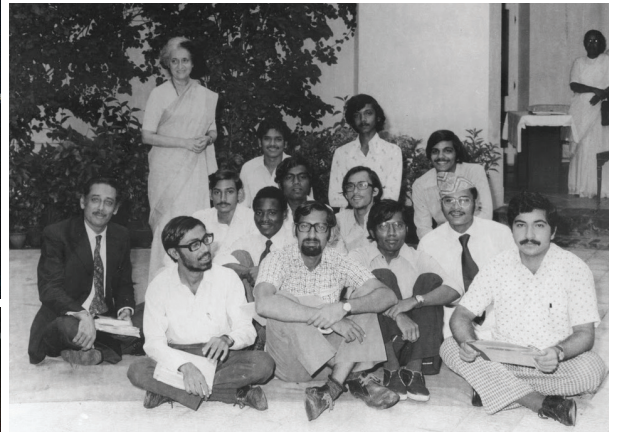
The US participants served a total of 200 man-years at Kanpur. Under the KIAP agreement 50 faculty members and technicians of IIT Kanpur were provided with special training at various Consortium institutions. Five faculty members obtained their PhD degrees and one obtained an MS degree under this scheme. Excepting these, all of the others spent a year or less in the Institutes of the Consortium. In September 1963 the Ford Foundation gave a grant of US\$ 20,000 to provide for the relocation from abroad of Indians appointed to the faculty of IIT Kanpur, for travel prior December 31 that year. Eleven members recruited in 1963 returned to India under this grant. Subsequently, between 1964 February and 1971 July, ninety-eight prospective IIT Kanpur faculty members and their families traveled to India under KIAP's own provision for relocation, with the condition that each would remain at IIT Kanpur for a minimum of two years.

Under the KIAP, as of June 1971, an amount of US\$ 7.5 million was spent on procuring equipment for the various departments and central facilities. Two departments obtained equipment worth a million dollars each. Books and back volumes of journals purchased for the library, under the Purdue University Library Collaboration Project, numbered about 40,000 and were worth US\$ 720,000. The task of procuring this material and assisting in the organization of the library was entrusted mainly to Purdue university; however, MIT also provided assistance in the form of a visiting expert. The acquisition of special reports such as those of NASA or Bell Telephone Laboratories which were/are not easily available in India was particularly useful under the KIAP.

Collaborative research conducted at IIT Kanpur has led to significant original contributions and have been widely cited. A large number of students trained under KIAP pursued advanced degrees in USA. Many of them have grown to become international authorities in critical areas of science and technology. The contribution of IITK graduates to the American economy is now an acknowledged fact.

The IITK-KIAP collaboration has been one of those ventures which encourage us to pursue international cooperation. For the sake of a correct historical perspective it must be recorded that the programme became successful due, at least in part, to the rapport between the first Director and the first Programme Leader, a rapport characterized not so much by an identity of views and need for mutual benefit as by mutual understanding and a desire to accept challenges - this, after all, are the essence of international cooperation.





SALUTATION TO THE KIAP-ERA PARTICIPANTS, STAFF AND FACULTY

AND SPECIAL THANKS TO THE FOLLOWING ATTENDEES

EX-FACULTY

JAIN, ANMOLAK C
KUDCHADKER ARVIND P
MEHTA, G K
MURTHY, G S
MUJU, M K
RAMAKRISHNA, D
RAO, G N
RAO, M. GOPALA
SARMA, KR
SRIVASTAVA, RC
SUBBARAO, EC
VASUDEV, ARAKERE
VISWANATHAN, TR
WAGHMARE, Y R

KIAP - PARTICIPANTS

PROFESSOR ANGEL JORDAN
PROFESSOR ROBERT GREEN
PROFESSOR PETER MASON
PROFESSOR DON WILHELM
KIM PATRICK SEBALY
PROFESSOR JACK SNELL
PROFESSOR ALVE ERICKSON
PROFESSOR RICHARD ALO



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Congratulations IIT Kanpur for 50 years of achievement

EDC is proud to be a member of the founding consortium of the Indian Institute of Technology (IIT).

As you celebrate IIT Kanpur's half century of excellence in education, research, and technology, we share your continuing dedication to enhancing education in India.

Best wishes in the years ahead.



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