



# International Relations - IIT Bombay NEWSLETTER

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“International education cannot be the work of one country. It is the responsibility and promise of all nations. It calls for free exchange and full collaboration. The knowledge of our citizens is one treasure, which grows only when it is shared.”

## MESSAGE : Director, IIT Bombay



Dear Friends,

Greetings from IIT Bombay!

IIT Bombay is working to enhance its international engagement in education & research, which we feel contributes towards building a high quality academic environment. The Office of International Relations at IIT Bombay supports this vision and helps to create long term linkages with peer institutions and to foster collaborations with faculty members in partner institutions. The Office also takes care of the admission process and provides academic and other support to international students. This news letter highlights some of the recent activities of the Office.

Over the years, IIT Bombay has developed an ambiance for academic excellence and is well recognized internationally for its education and research programmes. The Institute attracts the best students from all over India and has a diverse cultural composition. The campus provides a wonderful living space and has good facilities for sports and leisure.

We look forward to welcoming you to IIT Bombay.

Prof. Devang Khakkar  
Department of Chemical Engineering

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## MESSAGE : Dean - International Relations



Dear Friends,

It gives me great pleasure to share with you the highlights of the engagements of our office with external institutions. My team has done a fantastic job of creating this informative newsletter catching the essence and the purpose of these engagements. You may realize the wide spectrum of activities that the office of Dean IR is involved in.

Our motto is "to enhance our engagement with the International Scientific and Academic Community". Keeping this goal in mind we have initiated new schemes like organizing joint scientific/research workshop at IIT Bombay and follow these up with workshops at the

partner Institute. We have five such joint activities with U of T, NUS, OSU, NCCU and Indiana University. Many are to follow in the coming months.

Another initiative we have taken is to support joint supervised Ph.D students to go to partner Institute for a period of 4-6 months. I am glad to inform that the first such student would be going to Wollongong University, Australia.

Well, there is so much to do to enhance our scientific engagement with the International Community and I want to reaffirm that we will not leave any stone unturned in our efforts and I am pretty confident that with your support we will be successful. Feel free to talk to me and give your views and suggestions.

Prof. Rajiv Dusane  
Department of Metallurgical Engineering & Materials Science

## UK Trade and Investment Minister visit IIT Bombay

The Right Honourable Lord Francis Anthony Aylmer Maude of Horsham, Minister of State for Investment visited IIT Bombay campus. He gave a speech on the new venture in the Financial Technology ("Fintech") sector to the IITB students, faculty members, officials and media. The new venture encourages close collaboration and investment in UK and India Fintech companies and help them expand globally. His talk also followed with the various opportunities offered by British universities in relation to industry academia collaboration

From the left- Prof. Rajiv Dusane, Dean IR, Prof. H.S Pandalai, Lord Francis Maude and Mr. Kumar Iyer.

## New Agreements Signed



IIT Bombay - NIT Goa agreement signing

### National Institute of Technology Goa

A delegation led by Director, NIT Goa visited IIT Bombay on 26th November 2015 during which the MoU was signed by Prof. Devang Khakhar (Director, IITB) and Prof. G.R.C. Reddy (Director, NIT Goa) having an initial validity of five years.

The areas of co-operation under this MoU include:-

- Cooperation between IITB and NIT Goa for revamping or initiating new Bachelors, Masters and Doctoral programmes at NIT Goa.
- Development and organization of short term training and certificate courses by IITB and enabling NIT Goa faculty/staff /students to take part in ongoing continuing education programme courses of IITB.
- Enabling NIT Goa faculty/students to pursue their Masters and Doctoral programmes at IITB on a full time basis, as per IITB norms.
- Cooperation from IITB for development of new areas of R&D at NIT Goa.
- Extension of technical cooperation from IITB for infrastructural development, management and upgradation of library and teaching/research laboratories facilities at NIT Goa.

### “Gheorghe Asachi” Technical University of Iasi, Romania (Erasmus+ Programme)

An inter-institutional agreement was signed by Prof. Devang Khakhar (Director, IITB) and Prof. Univ. dr. ing. Ion Giurma (Rector, Technical University of Iasi) on 21st September 2015 & is valid till 2020.

The modes of co-operation under this agreement include:- exchange of students and/or staff in the context of the Erasmus+ programme.

### Leibniz University of Hanover, Germany

MoU was signed by Director, IITB Prof. Khakhar and Prof. Dr. Iur. Volker Epping (President, Leibniz University of Hanover) on 24th September 2015 and has an initial validity of three years.

The modes of co-operation under this MoU include:- Students and academic and administrative staff exchanges, joint research activities and exchanges of academic materials.

### Polytechnic University of Madrid, Spain (Erasmus+ Programme)

An inter-institutional agreement was signed by Prof. Devang Khakhar (Director, IITB) and Prof. Alberto Almendra (Erasmus Institutional Coordinator) on 30th September 2015 & is valid till 2017.

The modes of co-operation under this agreement include:- Exchange of students and/or staff in the context of the Erasmus+ programme.

### National University of Singapore

A Joint Degree Programme agreement was signed by Prof. Devang Khakhar and Prof. Tan Chorh Chuan (President, National University of Singapore) on 1st October 2015 and has an initial validity of five years.

### Free University of Berlin, Germany

This MoU was signed by Prof. Devang Khakhar (Director, IITB) and Prof. Dr. Peter-Andre Alt (President, Free University of Berlin) on 5th October 2015 and has an initial validity of five years.

The modes of co-operation under this MoU include:- Visits by & exchange of faculty members & post-graduate students, exchange of information, joint research activities & joint supervision of research work and joint conferences or symposia on subjects of mutual interest.

### Institute for Problems in Mechanics of the Russian Academy of Sciences, Russia

MoU was signed by Prof. Khakhar and Prof. Sergey Surzhikov (Corresponding member of the RAS) on 12th October 2015 and has an initial validity of five years.

The modes of co-operation under this MoU include:- Visits by & exchange of faculty members & research scholars, exchange of information, joint research activities & joint supervision of research work and joint conferences or symposia on subjects of mutual interest.

### University of Geneva, Switzerland

MoU was signed by Prof. Devang Khakhar (Director, IITB) and Prof. Yves Flueckiger (Rector, University of Geneva) on 31st October 2015 and has an initial validity of five years.



The modes of co-operation under this MoU include:- Exchange of students, researchers, professors and other members of their respective teaching staffs, to establish scholarly collaboration, such as the organization of colloquia, seminars, conferences, and cooperative research projects, including the exchange of relevant academic material.

### Virginia Polytechnic Institute & State University, USA

MoU was signed by Dr. Thanassis Rikakis (Executive Vice President and Provost, Virginia Tech) and Prof. Devang Khakhar (Director, IITB) on 2nd November 2015 and has an initial validity of five years.

Under this MoU activities like exchange of faculty, exchange of students (undergraduate and/or graduate), joint supervision of Masters and Ph.D. students, exchange of academic information and materials, exchange of periodicals and other publications, organization of joint research programs, organization of joint conferences and organization of other academic exchanges agreeable to both Universities are included.

### University of Cuenca, Ecuador

MoU was signed by Prof. Fabian Carrasco Castro (President, University of Cuenca) and Prof. Devang Khakhar (Director, IITB) on 4th November 2015 and has an initial validity of five years.

Faculty & researchers from both the institutions can look for joint scientific research, training and teaching of students and academic professionals, academic mobility and exchange of students, professors and researchers, cooperation to strengthen institutional capabilities, dissemination and transfer of science, knowledge and technology and development of cultural activities and community outreach.

### Tata Institute of Fundamental Research, Mumbai

MoU was signed by Prof. Devang Khakhar (Director, IITB) and Prof. Sandip Trivedi (Director, TIFR Mumbai) on 7th December 2015 and has an initial validity of five years.

Since both the Institutions are in close proximity a larger & frequent interaction including visits by & exchange of faculty members & research scholars, exchange of information, joint research activities & joint supervision of research work and joint conferences or symposia on subjects of mutual interest.



Prof. Sandip Trivedi, Director TIFR with Prof. Devang Khakhar, Director IIT Bombay along with Prof. H.M. Antia, Prof. P.K. Pandya and Prof. Ravi Sinha

### Skolkovo Institute of Science and Technology (Skoltech), Russia

This MoU was signed by Prof. Devang Khakhar (Director, IITB) and Prof. Edward Crawley (President, Skoltech) on 9th November

2015 and has an initial validity of five years.

The two dignitaries emphasized on :- Joint research activities and publications, Joint laboratories and joint appointments, exchange of invitations to scholars for lectures, talks and sharing of experience, exchange of invitations to scholars to participate in conferences, colloquia and symposia, exchange of information, exchange of faculty members and exchange of students for study and research.

### University of Luxembourg, Grand Duchy of Luxembourg

This MoU was signed by Prof. Devang Khakhar (Director, IITB) and Prof. Dr. Rainer Klump (President, University of Luxembourg) on 16th November 2015 and has an initial validity of five years.

The scope of co-operation under this MoU includes:- Visits by & exchange of faculty members & research scholars, exchange of information, joint research activities & joint supervision of research work and joint conferences or symposia on subjects of mutual interest.

### Saitama University, Japan

This MoU was signed by Prof. Devang Khakhar (Director, IITB) and Prof. Hiroki Yamaguchi (President, Saitama University) on 1st December 2015 and has an initial validity of five years.

Activities like visits by & exchange of faculty members & research scholars, exchange of information, joint research activities & joint supervision of research work and joint conferences or symposia on subjects of mutual interest.

### Govt. College of Engineering Amravati

This MoU was signed by Prof. Devang Khakhar (Director, IITB) and Dr. R.S. Dalu (Principal, Govt. College of Engineering Amravati) on 2nd December 2015 and has an initial validity of five years.

The wide ranging of scope of this MoU includes:-

- Cooperation between IITB and GCoEA for revamping or initiating new Bachelors, Masters and Doctoral programmes at GCoEA.
- Development and organization of short term training and certificate courses by IITB and enabling GCoEA faculty/staff/students to take part in ongoing continuing education programme courses of IITB.
- Enabling GCoEA faculty/students to pursue their Masters & Doctoral programmes at IITB on a full time basis, as per IITB norms.
- Cooperation from IITB for development of new areas of R&D at GCoEA.
- Extension of technical cooperation from IITB for infrastructural development, management and upgradation of library and teaching/research laboratories facilities at GCoEA.

### Technical University of Denmark

The MoU for Students and Scholars Exchange Program were renewed for a period of 5 years on 3rd December 2015. The renewal document was signed by Prof. Rajiv Dusane (Dean-International Relations, IITB) and Prof. Martin P. Bendsoe (Senior Vice President and Dean of Graduate Studies and International Affairs, DTU)

### Kyoto University, Japan

This MoU was signed by Prof. Khakhar (Director, IITB) and Prof. Juichi Yamagiwa (President, Kyoto University) on 25th December 2015 and has an initial validity of five years.

The modes of co-operation under this MoU include:- Exchange of

scientific materials, publications and information, Exchange of faculty members, Exchange of students and Joint research and meetings for research.

### Thales Systems Aeroportes & Thales India Pvt. Ltd.

This corporate MoU for Industry Sponsored Ph.D. Fellowship was signed by Prof. Devang Khakhar (Director, IITB) and Mr. Martin DEFOUR (Vice President - Technical, Thales Systemes Aeroportes) and Mr. Antoine CAPUT (Vice President and Country Director, Thales India) on 25th January 2016 and has an initial validity of five years.

The agreement includes :-

- Financial support for the Ph.D students for 5 years with home visits.
- A visit for the supervisors to the host institute



From the left Ms. Manisha Oberoi, PA to VP, Thales, Mr. Antoine Caput, Vice President & Country Director, Thales India, Prof. Devang Khakhar, Director IIT Bombay, Dr. Jean Chazelas, Thales Defense Mission System, Mr. Suren Chander, Thales India.



Prof. Devang Khakhar, Director IIT Bombay with Dr. Patrick Nedellec, Director, DERCi, CNRS, Paris in the presence of Prime Minister Narendra Modi and France President Francois Hollande

### IIT Bombay signs Agreement of Cooperation with :-

- **Centre National De La Recherche Scientifique (CNRS)**
- **Telecom Bretagne**
- **Universite De Bretagne Occidentale (UBO)**
- **Universite De Bretagne Sud (UBS)**
- **Ecole Nationale Superieure De Techniques Avancees Bretagne (ENSTA, Bretagne)**
- **Ecole Nationale D'Ingenieurs De Brest (ENIB)**

The agreement was signed on 25th January 2016 by Director IIT Bombay, Prof. Khakkar & other officials in the presence of France President Francois Hollande & Hon'ble Prime Minister Shri Narendra Modi.

The aim of this Agreement of Cooperation is to establish the framework of the future co-operation between the parties. The main purpose of the cooperation is to foster collaboration, provide opportunity for global experience, and facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit and frequent interactions between the parties in the field of teaching & research. Also, under this agreement all parties will be able to host and co-tutoring PhD students as well as to welcome researchers from the partner institutions.

The scope & means of cooperation includes:- Exchange of scientific materials, publications and information, academic representatives participation in symposia, conferences, short courses and meeting on research issues, exchange of faculty members, exchange of students and joint research and meetings for higher education. Joint supervision in graduation projects and doctoral theses.



## Official visits for Internationalization to overseas universities



Prof. Rajiv Dusane, Dean IR along with Prof. D. Arcenev, Vice Rector IR and others officials in Peter the Great St. Petersburg Polytechnical University, Russia

### Dean, International Relations attends BRICS Global University Summit 2015 (GUS) at Russia

Prof. Rajiv Dusane, Dean-International Relations took a tour to Russia from 26 to 28 October 2015. He participated in the BRICS Global University Summit (GUS) at Moscow State Institute of International Relations (MGIMO-University) on 28 October in Moscow.

He Visited & hold meeting at :

- Skolkovo Institute of Science and Technology on 27 October and held discussion with the Rector, Prof. Edward F. Crawley. They had a discussion on mobilising more faculty exchange program and research workshops and other scopes of internationalization.
- Peter the Great St. Petersburg Polytechnic University on 27 October and held discussion with the Vice Rector, Prof. D. Arcenev and Head of International Office, Prof. V. Khizhniak and Deputy Head of International Educational Project Office, Prof. Olga Emelianova. They were interested in starting the Summer School program for the students and faculty exchange mobility for more joint research projects.
- Lomonosov Moscow State University on 28 October and held discussion with Prof. A. Kazansky and the representatives of the LMSU for collaborative activities. They had a detailed discussion to mobilize the student exchange program and Indo-Russian DST joint project proposal submission.
- He also held a discussion meeting with functionaries from Novosibirsk State University. They were interested in collaborating with IIT Bombay in capacity building and student exchange program.



Prof. Devang Khakhar, Director IIT Bombay and team along with Vice-Chancellor and faculty members of Dhaka University

### Director, IIT Bombay along with Dean- International Relations and Dean- Academic Programs visited Higher Educational Institutions in Bangladesh

In an endeavour towards creating better awareness on educational opportunities available at the Indian Institute of Technology (IIT Bombay) for students at post graduation and doctoral levels and forging collaborative relationships. Prof. Devang Khakhar, Director, IIT Bombay took a tour of Bangladesh from 10 to 14 January, 2016 along with Prof. Rajiv Dusane, Dean IR & Prof. Narayan Rangaraj, Dean AP. During their visit they visited along with representatives from DAAD (German Academic Exchange Service) University of Dhaka, Bangladesh University of Engineering and Technology, Military Institute of Science & Technology & Chittagong University of Engineering & Technology .

DAAD has introduced scholarships for Bangladeshi and Nepali students, for pursuing M.Tech in Engineering Systems, Biomedical Engineering, Environmental Science & Engineering, Water Resource Engineering & Technology and Development and Ph.D. in following research areas: Renewable Energy, Climate Change, Health, Biodiversity and Good Governance, at IIT Bombay. There would be 15 such scholarships available for M.Tech aspirants that will cover cost of education, air fare from home country to India, health insurance, annual study and research subsidy and will also include a monthly stipend. DAAD will be offering 5 scholarships to students enrolling for Ph.D. programmes that will include admission and tuition fees, air travel, annual study and research subsidy, final thesis subsidy and a monthly allowance.



Mr. Arnab Das, Executive Officer International Relations attended the Indigo Policy Focal Point Network Training in December 2015 at New Delhi. The training was organised by INDIGO-POLICY with the objective to increase the participation of Indians in the EU Framework Programme for Research and Innovation.

## Workshops & Conferences

### University of Toronto: Role of Universities in Building Healthy, Sustainable & Smart Cities - January 2015 at IIT Bombay

Having already signed an MoU and student exchange agreement in 2012, the workshop helped in strengthening relations between the two universities. Both universities currently collaborate on the Centre for Urban Science and Progress (CUSP) initiative and IC-IMPACTS. The culmination of this partnership was a roundtable in 2014, with the subthemes of :

- Infrastructure, Environment and Energy
- Innovation & Entrepreneurship
- Prosperity, Health, education & Knowledge Creation
- Governance

This workshop in 2015 was a follow-up to the earlier roundtable, and saw discussions between faculty members regarding infrastructure and sustainability, specifically on Smart Cities and Resilient Infrastructure followed by presentations from both sides on a number of relevant topics, including:

- Disaster resilient Smart Cities
- Geomatics for Smart Cities
- Solid Waste management in Urban cities
- Fuel Cells
- Smart Power Electronic Systems
- Point of Care Diagnostic Devices
- Urbanization and extreme rainfall
- Optical sensors for environment, health and security

Overall, the roundtable and workshop would help to further bilateral cooperation and deepen engagement through faculty to faculty research collaborations and graduate student engagement.



Team IIT Bombay and UofT at Mumbai, India

### Ohio State University - January 2015 at IIT Bombay

An MoU comprising different aspects of collaboration was signed by Prof. Khakhar & President Drake. A few more ideas such as jointly supervised Ph.D. topics and faculty mobility were discussed during the final discussions, and it was suggested that both IITB & OSU will work towards establishing a fund to enable such activities. The visit also involved sessions regarding Materials & PV (Photo Voltaic), as well as Biosciences and Bioengineering.

The session on Materials & PV had discussions on:

- Activities in the area of solar PV at OSU
- Activities at NCPRE (National Centre for Photovoltaic Research and Education), including research in bi-based solar cells
- Materials for processing for opto- electronic applications as well as water purification
- Organic semiconductors for opto-electronic applications
- Organic & polymeric semiconductor materials for photo luminescence & electroluminescence applications
- Thin film silicon solar cells and other opto-electronic devices.

The session on Biosciences and Bioengineering had discussions on:

- Cancer immunology using Designer T-cells
- Ionic active materials and integrated biomolecular materials
- Cellular programming and nanopatterning of surfaces
- Affordable point of care diagnosis
- Minimally invasive procedures for congenital cardiac defects

This workshop was followed up by another at **Ohio State University, Columbus** on the 22nd and 23rd of June, 2015. The discussions were primarily a continuation of those initiated regarding materials and PV, and the delegation arrived at a number of different areas and means for future collaboration.



Team OSU and IIT Bombay at Columbus, USA

### National University of Singapore - NUS - IITB ENERGY workshop - February 2015 at NUS Singapore

The NUS - IIT Bombay ENERGY workshop held in NUS, Singapore, on the 25th and 26th of February, 2015, was the second of the series, with the previous one being held at IIT Bombay in February, 2014. The first day had invited lectures from faculties of both institutes.

Presentations by IITB included:

- Dye sensitized solar cells
- Demand Side Management in Multi Microgrid Environment
- Visible Light Concentration using Metallic Nanostructures for Efficient Photodevices
- Photonic Devices by Organo- metallic Halides based Perovskites Material



These were followed by presentations from NUS, on topics such as:

- Energy Storage and its application to Grids
- Renewable energy and intermittency : solution through energy storage systems
- Solid Electrolytes for Grid-Scale Rechargeable Batteries
- Redox Flow Lithium Batteries for Large-scale Energy Storage

A steering committee meeting to discuss various aspects of the joint IITB-NUS PhD program and an open brainstorming session were held as part of the workshop. The brainstorming session included discussions on the admission procedure and publicity for the program, as well as on the format of future workshops. The second day of the workshop was primarily devoted towards networking and laboratory visits.

The major motive behind organizing the workshops was to strengthen the collaboration between the faculty members of the two Institutes for eventually facilitating the joint PhD program, a goal which participants believe was successfully achieved.



Team NUS and IIT Bombay at Singapore

### National Cheng Chung University: Workshop on Advanced Manufacturing - March 2015 at IIT Bombay

The workshop saw presentations from both sides on advanced manufacturing. Some of the individual presentations were:

- Seminar to Promote all-English master program in Advanced Manufacturing, CCU
- Introduction to Engineering International Graduate Program (EIGP), NKNU

There were also joint presentations regarding:

- Precision Machinery Manufacturing System
- Intelligent Technologies for CNC Controller of Multi-axis Machine Tool
- Wireless Techniques in Intelligent Manufacturing and Bio-Medical Sensing
- Smart Grid Research

The workshop also saw discussions regarding the possibility of setting up an MoU for student exchanges and other potential collaborations.

### Indiana University School of Public and Environmental Affairs - May 2015 at IIT Bombay

Day 1 of the workshop saw the following topics being discussed:

- Potential Collaborations; Potential Course Development / Teaching

- Water & Climate Change Related Issues
- Water Quality Issues - Human behavior and risk management
- Water, Food, Energy Nexus & Climate Issues
- Water Quality & Climate Change Issues

IIT Bombay faculty and students presented their research work in the above five sessions. IU-SPEA faculty also presented their research work and interests, and some possible collaboration areas such as “water resources and hydrology”, “climate change issues and policies”, “water management issues”, “modern techniques for water and environmental management” were identified.

On the second day, the main theme of workshop was on “Environmental Engineering & Management” in following sessions, with sub-topics of:

- Water and Wastewater Management
- Air Quality, Environmental Issues & Solid Waste Management

Again, there were presentations from faculties of both universities, and possible areas of collaboration in the area of environmental engineering and management such as “wastewater management”, “bioremediation”, “solid waste management” were identified.

Both universities showed interest in collaboration by offering courses, supervising Ph.D. students and research work and publication through combined research projects. Further, it was decided to have another Joint Workshop between IIT Bombay Faculty and IU-SPEA Faculty at IU-SPEA, USA by early 2016.

### IIT Bombay hosts the first joint meeting of Russia India Network of Institutions of Higher Education (RIN)

On 11-12 February 2016 the first joint meeting of the Russian-Indian Network of Institutions of Higher Education (RIN) was held in IIT Bombay. On 8th May 2015 during the state visit of President of India Shri Pranab Mukherjee, an Agreement was signed for the formation of the RUSSIA-INDIA Network of Institutions of Higher Education.

The meeting was attended by 9 (Nine) Russian Universities and 11 (eleven) leading IIT's from India. The meeting focused on joint cooperation between the Russian and Indian Institutes in the field of Education, Science and Technology; to develop mechanisms of joint projects and programs implementation, and identification of an action plan for 2016-2017.



RIN delegates at IIT Bombay

## Events & Visitors



Prof. Rajiv Dusane, Dean IR with Mr. Yukio Takeyari, Chairman, Sony India Software Centre Pvt.Ltd

### Japan Higher Education Information Day at IITB

On 24th September, 2015 the University of Tokyo (UTokyo), designated as "Coordinator for Study in Japan" visited IIT Bombay along with five more universities from Japan. Universities include Keio University, Meiji University, Nagoya University, Soka University, Waseda University and gave presentation and interacted with the students and faculty members at IITB to strengthen the higher educational network.

Mr. Yukio Takeyari, Chairman, Sony India Software Centre Pvt. Ltd in his speech praised the caliber of our students in Sony India and showed his intent to hire more students from IITB. The Japanese Consulate-General Mr. Junichi Kakuta confirmed that he will try to build up bilateral agreements for higher education and research with more Japanese universities and IIT Bombay.



From the left Ms. Katie-Jo Miller, Mr. Nick Booker, Ms. S Iyer, (Sr. Executive Officer, Dean IR Office) and Mr. Sean Angiolillo

### Visit of British Council Generation UK-India

Last Autumn, IIT Bombay hosted two groups of students from the UK, visiting India in collaboration with UKIERI and IndoGenius. The students stayed in the institute for a day, gaining the opportunity to learn about its history and culture. There was also an extended interactive session with representatives of various student bodies from IIT Bombay, with students involved in technical, cultural and academic affairs being present. With discussions ranging from topics like the abundance of student activities in IIT Bombay, upcoming career plans, entrepreneurship activities and more serious issues like the gender bias in engineering and parental pressure in choosing of a major, students from both sides were able to gain insights into each other's perspectives. Overall, the students found the session enriching and educative.

## International Visitors at IITB

### October, 2015:

- Prof. Mark Sheridan, Dean/Vice Provost for Graduate Affairs and Prof. Sukant Mishra, Associate Vice Provost for International Programs of Texas Tech University (TTU), United States visited the institute on 5th October. They had a meeting with Dean Academic Programmes and officials of the office of Dean International Relations and discussed on the scope of collaboration with IITB and TTU.
- Mr. Podewils, Advisor to Free University of Berlin, Delhi Office visited the institute on 6th Oct. He met with Head of Department, Chemistry and officials of office of Dean International Relations and held discussion for MOU partnership with Free University of Berlin, Germany and IIT Bombay.

### November, 2015:

- David L. Jeu, Assistant Vice Chancellor, University of California, Berkeley visited and discussed with Dean IR about possible scope for internationalization and offered faculty delegation from both sides to visit each other for strengthening the university relationship.
- Prof. Mark S. Fox, Director of Centre for Social Services Engineering visited to discuss the workshop outcome and was keen to build further strong relationship with Department of Centre for Urban Science and Engineering (IITB).

### December, 2015:

- Mr. Tomohiro Toi, Mr. Atsushi Matsutani and Mr. Shubham Yadav from Tanaka Holdings Co., Ltd., Japan
- Delegates from University of Tartu, Tallinn University of Technology and Archimedes Foundation Centre for Higher Education Development, Estonia
- Ms. Cristina Chiriboga Tejada, Consultant & Ms. Varsha Perera, Assistant, from the Consulate General of Ecuador in Mumbai
- Prof. Patricia McCarney, President CEO, Global Cities, University of Toronto



**January, 2016:**

- Mr. Michael Oskin (Vice Consul), Ms. Koyel Sen (Consular Information Unit) from U.S. Consulate and Mr. Pranav Pradhan (Education USA Adviser) from USIEF discussed opportunities of higher studies and assistance for visa application for the IITB students.
- Prof. Hiroshi Iwai (Vice Dean, Distinguished Chair Professor), Prof. Sin-Hong Chen (Senior Vice President), Prof. Chun-Yen Chang (President Emeritus) and Prof. Edward Y. Chang (Senior Vice President) from National Chiao Tung University, Taiwan visited and discussed with Dean IR for regarding MoU and joint workshop and student exchange between IITB and NCTU.
- Dr. Sheila Embleton (Distinguished Research Professor) and Prof. Roopa Desai Trilokekar (Assistant Professor) from York University, Canada.
- Ms. Elena Donets, CEO, Tel Aviv University Entrepreneurship Center and Claudelle Monis, Cultural Officer from Consulate General of Israel, Mumbai visited Society of Innovation and Entrepreneurship (IITB).

**February, 2016:**

- Prof. Friso De Boer, Head of School of Engineering & Information Technology & Mr. Girish Iyer, Manager International Marketing & Recruitment from Charles Darwin University, Australia and Mr. Chintan Bharwada from Australian Trade Commission, Mumbai
- Dr. Takehito Higuchi, Fellow, Doctor of Management of Technology and Mr. Yuji Nishikawa, India Liaison Representative, from Japan Science and Technology Agency, Japan
- Dr. Steven A. Ringel, Director, Institute for Materials Research, Dr. Dave Williams, Dean of College of engineering from The Ohio State University, US and Mr Ardeshir Contractor, Managing Director and CEO of Kiran Energy Solar Power Pvt. Ltd
- Prof. Jody Lehr-Waite, Associate Director of International Outreach, Rochester Institute of Technology, USA, Ms. Sheela Thyagaraj and Ms. Suman Nayak from The International Knowledge Center, Bangalore.



DAAD-Pune representative along with German language teacher at IITB.



Tanaka Holding Group, Japan visit to IR office.



Visit of Miss World- Japan 2015 visit to IR office during her tour to Mumbai for the "Cool-Japan" festival.



Visit of a team of artists from Japan to share Japanese cultural activities (Kimono, Ikebana, Japanese calligraphy, etc) as part of the Japanese language classes under the foreign languages program coordinated by IR office.

## At The office of International Relations

### Foreign languages taught at IITB

IIT Bombay is conducting the foreign language courses since 2004-05, started with basic French communication course for the benefit of students and staff of IITB. Gradually we started Japanese, German, Chinese language courses and recently we started the Italian course from the academic year 2014-15.

The programs offers certificate from:

Certificate	Languages
Alliance Francaise, Mumbai.	French
Koo International Co. Ltd., Japan	Japanese
Taiwanese Embassy, Taiwan.	Mandarin
DAAD	German
University of Pavia	Italian

The teachers from France, Germany, Japan, Taiwan and Italy are identified by the above association respectively and further coordinated by office of Dean International Relations at IIT Bombay to teach these language classes at IITB. Students and staff members of IITB are taking the opportunity of multilingual experience and learning new languages for exposure in social context and for professional interactions both in corporate and academic setting.

### Teachers Experience at IIT Bombay



Eleonora

#### Italian

If anybody told me a year ago that I would end up in India, I'd have most definitely laughed it off; too far away from home and most especially from what I planned. Then, life took me here, in the most unexpectedly beautiful place, Mumbai, doing what I love the most, teaching. I arrived in the month of July, 2015 and, three months into my adventure, I feel so blessed and lucky to be here: I have the privilege to work at IIT Bombay, one of the world's top universities in the beautiful city of Mumbai, I met a lot of new people from different parts of India and other countries, whose stories never cease to amaze me. The Indian culture and way of living got under my skin and not a single day has passed without teaching me something. Living in India implies the never ending struggle between an unstoppable passion drawing you towards it and the awareness of the existing differences, yet you learn to let yourself go completely to the experience and you see your rough edges smoother every day -



Natacha

#### French

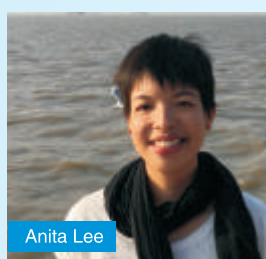
I am Natacha, the French teacher at IIT Bombay for the year 2015-16. I arrived at the end of July and started teaching at the beginning of August. I teach four days a week, in the evening, and prepare the classes during the day. This leaves me some time to enjoy the campus life (I have taken up swimming and yoga classes), also visits South Mumbai, particularly enjoy going to Prithvi theatre. I have visited the Sanjay Gandhi National Park (kanheri caves) organized by the Office of International Relations and been to trekking at the Western Ghats ( Bhimashankar) initiated by the students at IIT Bombay. Travelling and exploring India is not less than a adventure story for me, during the week's holidays I have travelled to Delhi and now I am planning many more trips to discover other parts of the country during the winter break. Although it is my first time in India, it has been really easy to adapt and I am now feeling pretty much at home here.



Katharina Klein

#### German

I am Katharina and I have been sent out by German Academic Exchange Service (DAAD) to teach German as a foreign language at IIT Bombay for the academic year 2015/2016. I teach two beginner's batches and one advanced batch twice a week. In 2012 I came to India for a teaching internship at Mumbai University and Ranade Institute (Pune). I was impressed with the students' enthusiasm for German – both linguistic and cultural aspects. This observation and a feeling of wanderlust - because there is so much more to see in India - made me decide to apply for the job position at IIT Bombay. I enjoy teaching here very much and I appreciate the culture and community on campus. I am very fond of all the activities like swimming, yoga and running on campus whereas hiking and rafting gives me the opportunity to discover the area around Mumbai. I am now looking forward to a surf trip in Kerala in our winter break.



Anita Lee

#### Mandarin

I read Chinese version Shantaram in 2008, I watched "3 Idiots" for many times. At a hot, humid midnight, I landed in Mumbai, the air smell like the summer in Taiwan, but IIT Bombay, Mumbai? I stand on the ground that these incredible stories happened! smiling faces, friendly people, nice food, incredible culture, excellent students and staff! I'm so honored to be a part of here!

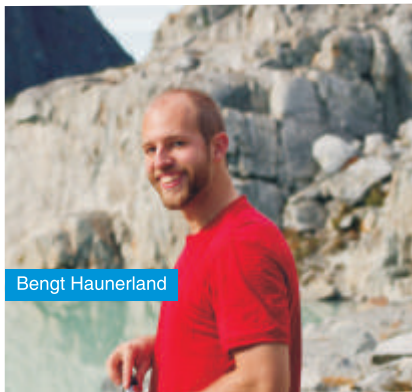




### Mumbai heritage visit for International Exchange Students

From the International Relations Office on 23rd January, 2015 the international exchange students (spring semester) were taken to Elephanta Caves located on the Elephanta Island in Mumbai Harbour, 10 kilometres to the east of the city of Mumbai, Maharashtra. The island, located on an arm of the Arabian Sea, consists of two groups of caves—the first is a large group of five Hindu caves, the second, a smaller group of two Buddhist caves.

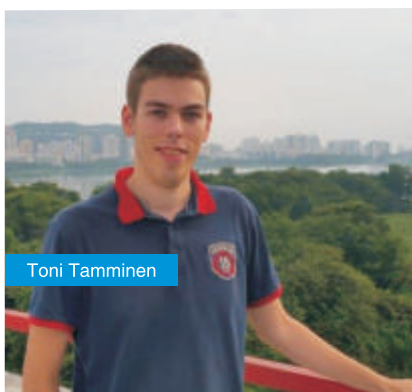
### Messages from International Students (Autumn Semester 2015)



Bengt Hauerland

"I'm a Canadian exchange student from Simon Fraser University and I'm at IIT Bombay on a 4 month project for my Masters in Biomedical Engineering. I'm very grateful to have the opportunity to experience a different culture that still maintains a high academic standard. I enjoy the life on campus with so many ways to remain physically active whether it's running, swimming, or trips with members from the Adventure club. During my stay so far I have found the other students to be incredibly friendly and helpful. Ohh yeah there

was something else ...Gulmohar Restaurant inside the campus is awesome!!"



Toni Tamminen

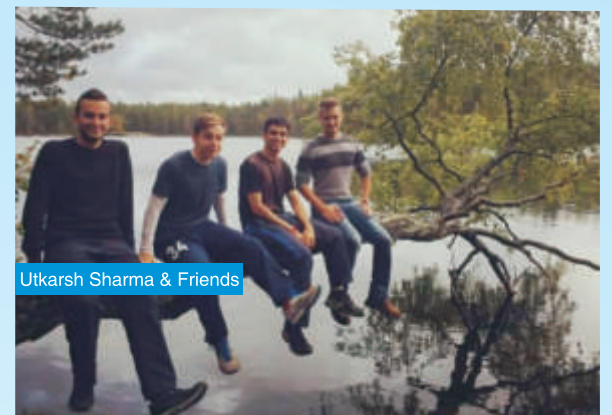
"It was for me a huge culture shock at first to arrive to India and witness the huge amount of people in crowded and noisy roads. Quickly I got use to it and learnt to appreciate many cultural differences and have learnt a great deal on how diverse the world really is. IIT has itself been integral part of my experience, since that's where I have gotten to know so many new people, and experienced a lot of the culture through them. Going for exchange is definitely worth it!"

### IITB Students Experience in Overseas Universities



Arjita Kulshreshtha

Well, to describe an exchange semester in one line I'd say "it's the best possible time in your life which you will get to spend with yourself". I couldn't have learnt more in those 5 months personally as well as academically. Right from the variety of courses I pursued to making friends from across continents to travelling and adapting to the culture of the university, every day was insanely exciting at Rice University. Being an undergraduate in a foreign university is one of the most unique opportunity that IIT Bombay provides us and as many students as possible should make good use of this.



Utkarsh Sharma & Friends

I chose Aalto and Finland because I didn't have many options, but only after coming here I realized how perfect this place is for doing an exchange. Be it the weather, the people, their values, their culture, their food, be it anything, this place is the exact opposite of India and challenges me on everything I have known and experienced all my life. The Finnish people I've met, are really nice and friendly which makes it easier to blend in. The various student guilds make sure we miss nothing when it comes to experiencing the Finnish culture. Besides that, there are over 500 hundred exchange students here from around the world I meet, study with, party with everyday, learn about their countries and tell them about India. The classes are more or less the same as they are at IITB, except that there's absolute grading which makes the studies a bit tough. This is my tryst with the world and with Finland and it's been really amazing and fun so far. I'm having the time of my life. But what do you know? Winter is coming.

## Team IR



**Prof. Rajiv Dusane**  
**Dean (International Relations)**  
**Phone: +91-22-25767075**  
**Fax: +91-22-25764005**  
**Email: dean.ir@iitb.ac.in**



**Ms. Shyamala Iyer**  
**Senior Executive Officer**  
**Phone : +91-22-25764074**  
**E-mail : international@iitb.ac.in**



**Mr. Arnab Das**  
**Executive Officer**  
**Phone : +91-22-25767036**  
**E-mail : arnab.das@iitb.ac.in**



**Ms. Sushma Jagtap**  
**Junior Assistant**  
**Phone : +91-22-25767076**  
**E-mail : dean.ir.office@iitb.ac.in**



**Mr. Rupesh Tambade**  
**Attendant**  
**Phone : +91-22-25767076**



**Prof. Santosh Gharpure**  
**Faculty Adviser of Foreign Students**  
**& Professor, Department of**  
**Chemistry**  
**Phone: +91-22 25767171**  
**Email: sjgharpure@chem.iitb.ac.in**



**Mr. Deepak Dilipkumar**  
**Institute Secretary of**  
**International Relations**  
**Senior Undergraduate,**  
**Department of Mechanical**  
**Engineering**  
**Phone: +91- 9004480593**  
**Email: isecir@iitb.ac.in**

## Credits

**Content Development :** Dean IR Office  
**Design :** Arnab Das, Executive Officer  
**Editing:** Arnab Das, Executive Officer &  
 Deepak Dilipkumar, Institute Secretary of International Relations  
**Contact Email:** dean.ir.office@iitb.ac.in



Office of Dean (International Relations)  
 Indian Institute of Technology Bombay  
 1st Floor, Main Building, Powai, Mumbai 400 076  
 Maharashtra, India.  
 Email: dean.ir.office@iitb.ac.in,  
 Website: www.iitb.ac.in