



# INTERNATIONAL RELATIONS IIT BOMBAY NEWSLETTER

March 2016 - August 2016 Volume 2

[www.ir.iitb.ac.in](http://www.ir.iitb.ac.in)

IIT Bombay, being one of the most established science and technology colleges worldwide, is blessed with strong partnerships with universities around the globe. IITB recognizes that multi-cultural, multi-ethnic, multi-linguistic, multi-racial and multi-national experience is a must for the future graduates to perform better in a global economy. The International Relations office is committed to fortify these relationships as well as expand its international outreach. The office strives to facilitate staff and student exchange, joint research projects and sharing latest information and technological developments, hold workshops and lectures in key areas and much more.

In this issue we cover all major affairs conducted by the office during the period March-August 2016.

-Team International Relations

## *IIT JEE(Adv) and GATE 2017 entrance exam to be conducted abroad for foreign students*

To strengthen and promote the IIT brand and attract more international talent, Ministry of Human Resource Development (MHRD) has taken the initiative to hold JEE and GATE exam 2017 in six (6) foreign countries including Bangladesh, Nepal, Singapore, Ethiopia, Sri Lanka and UAE. IIT Bombay is leading the initiative as per the MHRD directive. IIT Bombay has prepared necessary information materials for the outreach program of attracting international students, identifying examination centres in the six countries. A website for the international PG applicants has been prepared by IIT Bombay providing detailed information about the IITs and the various courses offered. <http://intapp.iitb.ac.in/>

## *New Agreements Signed with IIT Bombay:*

- |  |   |
|--|---|
| 1. Charles Darwin University, Australia                | 6. National Research Tomsk State University, Russia |
| 2. University of Mons, Belgium                         | 7. Siberian Federal University, Russia              |
| 3. University of Calgary, Canada                       | 8. Malardalen University, Sweden                    |
| 4. Institut Mines-Telecom (IMT), France                | 9. National Chiao Tung University, Taiwan           |
| 5. Hochschule fur Gestaltung Schwabisch Gmund, Germany | 10. Colorado School of Mines, USA                   |

## *Key International Visits in March-August 2016:*

- 18.03.2016** Prof. Henry H.H. Chen, Director, Science and Technology Division from Taipei Economic and Cultural Center in India, New Delhi visited us regarding establishment of Taiwan Education Centre in IITB.
- 08.04.2016** President of Universidad San Ignacio de Loyola in Peru, Dr. Ramiro Salas Bravo, Mr. Raul Diez Canseco Terry, Founding President of the University, Mrs. Luciana de la Fuente; Executive President, Mr. Diego Castrillon Dioses, Head of Projects of the General Management visited IITB to discuss the possibilities of cooperation between the two institutions.
- 22.04.2016** Prof. Adam Habib (Vice Chancellor) and Prof. Ian Jandrell (Dean of Engineering and the Built Environment) from Witwatersrand University, Johannesburg, South Africa visited us for cooperation between the two institutions and further to have MOU agreement.
- 17.08.2016** Japanese Ambassador Mr. Hiramatsu Kenji visited IIT Bombay and gave a lecture regarding Indo-Japan relationship and interacted with the students.



*Get together dinner with International Students and Faculty*

## WORKSHOPS

### IIT Bombay - Indiana University School of Public and Environmental Affairs Workshop, February 2016 at Indian University, Bloomington, USA



The IITB-IU-SPEA combined faculty workshop held in Oak Room, Indiana Memorial Union, Indian University Bloomington, USA during the period 24-26 February 2016, was the second of the series, with the previous one being held at IIT Bombay in May, 2015.

From IITB a team of 5 faculty members travelled to IU-SPEA for joint faculty workshop from the department of Civil Engineering, Earth Science, Humanities and Social Science, Centre of Studies in Resource Engineering and Centre for Environmental Science and Engineering.

SPEA representatives took IITB delegates to various departments and labs in IU and had fruitful interactions in the possible areas of mutual research. The IITB delegation gave presentations on a broad spectrum of topics which include "water resources and climate change issues and policies", "water management issues" and "environmental management and conservation".

At the end of the workshop, various ideas on "Way Forward for Future Collaborations" were discussed and both IITB and SPEA faculties discussed and summarized the various areas of possible collaborations through Faculty exchange, Ph.D. guidance from both sides and collaborative research projects. Also, the possibility of offering short term courses (of one/ two week durations) and teaching of semester-wide courses were discussed.

### Curtin University of Technology, Australia: Workshop on Sustainable Smart Cities and Energy - May 2016 at IIT Bombay



A one day workshop was conducted at IIT Bombay on the topics of Sustainable Smart Cities and Energy where faculty members from both institutes gave technical talk on their ongoing research areas to further find common interests for future collaboration. On the topic of Sustainable Smart Cities faculty members from Centre of Urban Science Engineering participated from IITB and Architecture, School of Built Environment faculty members from Curtin University.

Again, for the topic in Energy faculties from the department of Electrical Engineering, Energy Science & Engineering and Aerospace Engineering at IIT Bombay, and faculty from the Chemical & Electrical Engineering departments at Curtin University participated in this session.

The technical talk was followed by open discussion where few Ph.D and Post-Doc students also attended the session. Lastly, both universities showed interest to collaborate by offering courses, supervising Ph.D. students and research work and publication through combined research projects. It was also decided to have another joint workshop between IIT Bombay and Curtin University at Curtin University, Australia during 2017 on a mutually agreed timeframe.

### Visits by IITB Staff Abroad

1. Ms. Shyamala Iyer, Senior Executive Officer (ex-employee) from the office of IR, was awarded an Erasmus Mundus scholarship. In June 2016, she visited Freie University at Berlin, Germany on a staff visit program to increase collaborations and met several researchers to discuss various possibilities.
2. In March 2016, Ms. Shyamala Iyer participated in a workshop organized by the Academic Cooperation Association, Brussels, which was aimed at sharing ideas and creating a network of Indian and European universities for encouraging student and faculty mobility.





## WORKSHOPS

### IIT Bombay - Samara State Aerospace University Joint Workshop - May 2016 at IIT Bombay



IIT Bombay is keen to build the network of Russia-India Network of Institutions of Higher Education (RIN) and to further concrete the tie-ups a two day workshop with Samara State Aerospace University was held in IIT Bombay. From SSAU, Russia six (6) researchers and from IIT Bombay seven (7) faculty members participated in the joint workshop. The researchers from Russia and faculty members from IITB gave technical presentations on the topics covering "Biomedical and Biotechnical research areas", "Aerospace Engines and Fuel Efficient Engines research progress", "Automation and Cybernetics", "Modern Space Technologies" and Research in Physics". The second day was covered in lab visit covering the Aerospace Dept, Mechanical Dept, Physics Dept and few centres.

After the open discussion in the wrap up session both the researchers from SSAU and IITB mutually identified the areas of research interest to collaborate through joint research projects, faculty exchange and Ph.D co-guidance. It was also agreed upon to have a bilateral MOU in place to further strengthening the partnership between SSAU and IITB.

### IIT Bombay- National Chaio Tung University Workshop on "Nanodevice Technology"- May 2016 at IIT Bombay



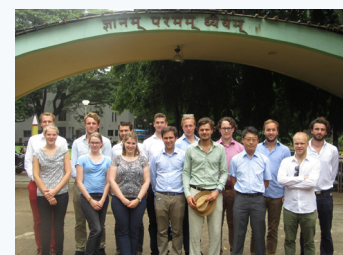
The MoU between IIT Bombay and National Chaio Tung University was signed on April 2016 by Director, IITB and President, NCTU. Thereafter, a joint workshop between IITB-NCTU on "Nanodevice Technology" was held on 16-17 May, 2016 at IIT Bombay.

The NCTU delegation comprising of 9 faculty members was led by Prof. Edward Chang, the Vice-President of NCTU, and included Education and Science & Technology (S&T) officials from the Taiwanese embassy - Mr. Yi Ta Chen and Dr. Henry Chen, the President of Kun Shan University - Prof. Yan-Kuin Su, and Prof. Chee-Wee Liu of the National Taiwan University.

The first day (half day) had invited lectures from NCTU professors on their research and later short informal interaction session for the NCTU faculty with IITB post-graduate students. The second day was followed by technical presentations by IIT Bombay professors and faculty members from NCTU, NTU and KSU, on a broad variety of topics. Later the delegation was given a tour of extensive semiconductor research facilities in the departments of Electrical Engineering and Metallurgical Engineering & Materials Science followed by IITB campus tour. The workshop witnessed high volume of student participation and interaction with delegations from NCTU, NTU and KSU. The major motive for the joint workshop is to strengthen the academic and research collaboration activities between the faculty members of the institutions and build strong relationship to facilitate the joint supervised Ph.D program, student exchange and faculty exchange. It was agreed upon to hold a next edition of this workshop in Hsinchu, Taiwan, possibly around the Feb-2017 timeframe.

### Contingent visit from Delft University of Technology

A contingent from the Delft University of Technology, Netherlands, comprising of 15 students specialised in MSc. Mechanical Engineering and 2 faculty members visited the institute on 26<sup>th</sup> August 2016. Prof Narayan Rangraj (IEOR), Prof Pradeep Dixit (Mechanical Engineering) and Prof. Jayendran (IEOR) were faculty attendees from IITB. The discussions focused mainly on the subjects of transportation and logistics and also touched the topic of communication systems in India. Both the sides had a fruitful interaction and the contingent was keen to experience a travel in a Mumbai local train after the session.



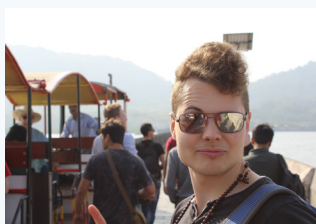
## EXPERIENCES

### From Overseas Students at IIT Bombay

#### Bennet Berrier, TUM, Germany

IITB is the India of tomorrow. In Spring 2016 I enjoyed the opportunity of living and studying computer science on IITB campus. In small classes, I had direct contact with the professors. My classmates were very keen on helping me whenever I had cultural or academic difficulties. I had the privilege to live in a spacious single room with wonderful neighbors and a good mess. Leisure activities were plenty. I used the gyms and music rooms a lot and learned some Yoga and playing the Tabla from experienced teachers. Furthermore, students organized amazing events like a Dance&Fashion Show by PhD students.

The campus of IITB is the place to experience tomorrow's India already today. Students think progressively, regarding both technology as well as culture. Looking back, I wish I had stayed another semester. Nowadays I am always looking forward to my frequent Hangouts-Calls with a good friend in IITB.



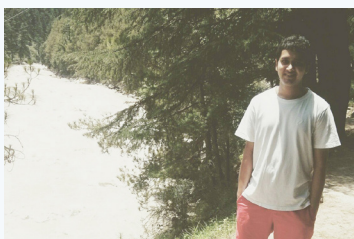
#### Abebe Worku Mekonnen, Research Scholar



Since I joined IIT Bombay in July 2013, I met amazing faculty members and many enthusiastic research scholars. IIT Bombay is an institution where outstanding and genius students are having the best quality education to transform their country and the world in science, technology, Engineering, business, management and many more. I am really delighted to have a learning opportunity in one of India's best IITs, IIT Bombay. In this institute, one can be anything he wants, it sounds great, right? That's true. It's rare to have institutions like IIT Bombay, where you have everything within the institute. Apart from the well organised academic facilities, you are welcome for any physical fitness activities with full facilities and professional coaches as well, you can learn and master some widely spoken languages in the world. It's an amazing experience for me to have a PhD in this great institution where the work ethics of the institute community is beyond words.

### Of IIT B Students at Overseas Universities

#### Ajinkya Deshpande, KTH Royal Institute of Technology, Sweden



One of the experiences that helped me grow the most during my IIT years was my semester abroad in Stockholm. It's significantly different from a vacation overseas as it actually gives you the opportunity to live and feel like a citizen in another country. Be it for a fresh outlook towards academics or to meet people from all around the world or simply to fulfill that never ending wanderlust, everyone should try to get an exchange semester while at IIT. You won't regret it the slightest.

#### Ayush Bandhil, Technical University of Denmark



There are couple of things that never cease to amaze me about Denmark. Danes' obsession with black cloth, their habit of leaving babies outside the grocery stores while shopping, no age limit on alcohol, sparsity of beggars are some examples worth mentioning. As a vegetarian I didn't have much options left in danish cuisine. One good thing about denmark is that even though Danish is the official language, everyone does speak english. Studies in DTU is more projects and research oriented as compared to IIT Bombay and definitely not a piece of cake. After roaming around 13 countries in Europe, making lots of memories, clicking thousands of pictures, and friends from literally all over the world, I returned back to India in June.

### Credits

**Content Development:** Dean IR Office  
**Design:** Soham Khadare  
**Editing:** Arnab Das, Executive Officer & Shubham Goyal,  
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 400076  
Maharashtra, India.  
✉ Email: dean.ir.office@iitb.ac.in  
🌐 Website: www.iitb.ac.in