



The 5th ITS Student Excursion goes to Singapore

A Review: The Third EMI Training Program

EMI, which stands for English as the Medium of Instruction, is a training program provided by ITS to equip ITS lecturers to teach courses in English. EMI training is part of Academic Teaching Excellence (ATE) courses run by the British Council worldwide. It is originally co-developed by the British Council and the University of Oxford.

During the past three years, 10 batches of EMI training have been successfully run at ITS. The training is a form of collaboration between ITS and the British Council. This program is a manifestation of the academic regulation that in each semester of at least two courses are offered in English for each undergraduate and postgraduate programs.

The existence of the international classes creates an ambient of internationalization in the campus as well as invites significant number of international students. Accepting international students opens wide an opportunity for ITS students to interact with students from different countries thus enhancing their cross cultural understanding in addition to their knowledge and hard competencies. Ultimately the achievement of internationalization of ITS is also increasing.

Mr. Andrew Hunt as the British Council trainer has expressed his remarkable impression toward the trainees. He says, "it has been such a pleasure to see so many ITS skilled lecturers sharing their talents and passion as they learn new techniques for teaching their subjects in English. All of them are forward-thinking, talented and passionate educators, as a British Council trainer, it is an honour to work at such an inspiring university."

Up to January 2017, a total of 186 trainees from ITS have gained full confidence in teaching by using English after the EMI training. EMI is not a class to learn English, but the skill of teaching, how to make the classroom a student center learning instead of passive class.

The positive response of the EMI training increased and the trainees stated that the knowledge that was obtained can be applied also in the Indonesian-classroom, because basically EMI is not a class to learn English, but the skill of teaching, how to make the classroom a student learning center instead of passive class. Up to January 2017, a total of 95 trainees from ITS have gained full confidence in teaching by using English after the EMI training.



Proudly presents A New Directorate of Innovation at ITS

Dr. Surya Sumpeno, ST., M.Sc.
Head of Sub Directorate Innovation

At national scale, researchers at state universities are expected to contribute in making or creating technology to solve industrial and community's problems in Indonesia. Under the direction of Directorate of Higher Education through the development of national research strategy, encouraging researcher's initiatives in innovation are essential to upgrade the level of technology readiness. Researchers are encouraged to create products that are ready to be applied.

In correlation with the above-mentioned matter, funding, infrastructure, and other related points become essential. As an autonomous university, ITS has flexibility in mobilizing resources and harnessing the power of itself autonomously, either science techno-park, incubators, and Management Board and Business Development (BPPU).

In 2016, ITS established a new directorate namely Directorate of Innovation. The tasks of the directorate are to provide an environment or arena for innovators to keep growing and to nurture and to channel innovated technology or products to reach the stakeholders.

The first target is to record, preserve, and collect research and innovation data as well as to map the potential opportunity of innovation at ITS. In the near future, the innovation profiles will be published by the Directorate innovation in a form of book and brochure as well as a database application based on smartphone technology. By providing such a system, interested users can easily and quickly access the information.

The next target is to introduce teaching industry scheme. In this case, innovation is derived through a long-time research activity, which consists of lecturers and students as the researchers. Innovation created by this synergy can be taken forward into entrepreneurship. It is expected that the alumni who have owned their own business or held a strategic position in companies can look at ITS as a potential partner in developing innovation to support their business line.

The program has been conducted since 2012 where some selected students are given a chance to experience a comparative study in internationally-recognized universities, institution, and industries which allowed them in experiencing the atmosphere across different countries or cultures. There must be a valuable taught by seeing different things wisely.

Singapore is a dynamic, multiracial and multicultural society whereas the citizens maintain traditions handed down through generations while comfortably adopting the conveniences of modern life and technology. In correlation to above-mentioned definition, this year's agenda was started from 6 to 9 February 2017 by visiting several insightful places, such as; Nanyang Technological University, PUB Singapore's National Water Agency, LASALLE College of the Arts and Care Community Services Society. Those options are designed by the committee to sharpen the knowledge about getting into the internationalization and learn how it works.

The ITS delegation was led by Dr. Maria Anityasari and totally there are 22 students who dispatched on this program. Most of them are the volunteers who served in the Directorate of International Relations.

ITS signed the MoU with The Ministry of Planning and Strategic Investment (MPIE) Timor-Leste

In order to take part in reinforcing and strengthening neighborhood institution, ITS signed a MoU with The Ministry of Planning and Strategic Investment (MPIE) Timor-Leste on 11th April 2016. The signees are Prof. Joni Hermana, Rector of ITS and Mr. Ismenio Martins da Silva, Secretary of Human Capital Development Fund (HCDF) – MPIE.



The agreement valid for 2016-2020 and covers activities of sending the young talented student to ITS for undergraduate and graduate programs, laboratory internship in ITS and sending ITS lecturers and laboratory staffs to Timor-Leste, and other possible academic and scientific activities.

On 15th Des 2016, a related MoA was further signed by Prof. Ketut Buda Artama, Vice Rector for Research, Innovation and Partnership of ITS, and Mr. Ismenio Martins da Silva to realize one program: Timor-Leste supports the scholarship for their 39 young-selected students studying at ITS for undergraduate program (S1) 2017-2021. They will be equally distributed to 13 departments of Mathematics, Mechanical Engineering, Industrial Engineering, Material & Metallurgical Engineering, Biomedical Engineering, Environmental Engineering, Geophysical Engineering, Industrial Product Design, Interior Design, Naval Architecture and Ship Building Engineering, Marine Engineering, Ocean Engineering and Marine Transportation.

Student selection is organized and run by the Directorate of Academic and Directorate of International Office on February 2017 in Timor-Leste. The selection is arranged based on 2 stepwise screening; first, is written test of basic science and potential academic, and second is direct interview for only the 1st test-passed persons. In March-June 2017, the selected students will attend the matriculation program by providing an appropriate basic science level at ITS under a selected agency.

The matriculation program covers subjects of basic physics, calculus, Bahasa Indonesia and English. In August 2017, they are ready to enroll their selves to study at their chosen departments. To support and achieve their success, their academic performances are monitored and supported by additional mentoring under the coordination of Department, Directorate of Academic, and Directorate of International Office.

IOpener is a bi-monthly bulletin published by ITS
content and design by:
IO-ITS Team



ITS INTERNATIONAL OFFICE

Rectorate Building, 1st floor
ITS Campus, Sukolilo, Surabaya
INDONESIA - 60111
Phone: +62-31-5994251 EXT 1224
Phone/Fax: +62-31-5923411



ITS PTNBH

A Gate to The Open Wide Opportunities

To be a world class university (WCU), the Ministry of Research, Technology, and Higher Education (Kemenristekdikti) created the concept of State Universities Legal Entity (PTNBH) where the State Universities (PTN) are autonomous. Hoping that the condition can create considerable revenue to the university in order to independently finance the efforts to achieve World Class University (WCU).

Universities should be able to consider broader aspects in every single detail to develop new programs in correlation with the development of a community, thus, the support from all ITS stakeholders are the important role to achieve the goals for the future sake of the institution.

With the autonomy, the universities should be contributing more to the national interests. To be able to implement the proper autonomy, one of the arguments that must be used is that universities must make changes in order to develop the human resources who can walk or even run side by side with the pace of global changes by having the ability to learn throughout life, critical, innovative, creative and able to work together.

Precisely, by being PTNBH, ITS's source of income will be more extensive and varied by taking advantages of all the opportunities and potential assets. In addition to this, ITS is allowed to establish cooperation with external parties directly. In this regards, consultation with the central government is unnecessary.

It is expected that the academicians and the entire community to jointly support PTNBH program as a vehicle for the attainment of ITS's objective, which is becoming a world class university (WCU).

Australia Indonesia Center - Urban Water Cluster

Australia – Indonesia Centre (AIC) has been established in 2014 as a joint initiative of the Australian and Indonesian governments. The Centre is a consortium of eleven highly respected research institutions from Australia and Indonesia. At Australia side, there are Australian National University, Monash University, University of Melbourne, and University of Sydney; while at Indonesia side, the partners are Institut Pertanian Bogor, Institut Teknologi Bandung, Institut Teknologi Sepuluh Nopember (ITS), Universitas Airlangga, Universitas Hasanuddin, Universitas Gadjah Mada, and Universitas Indonesia. This initiative is supported by the Department of Research, Technology and Higher Education (RISTEK-DIKTI).

There are five research clusters under the Centre. One of them is Urban Water Cluster which has been conducted in Surabaya dan Bogor (Greater Jakarta) since August 2016 and planned to be completed in 2019. The objective of the research is to seek opportunity to leapfrog certain stages in creating urban water sensitive city. Lecturers, researchers, and students from many departments at ITS, led by Dr. Maria Anityasari, are involved in this cluster, from Environmental Engineering, Industrial Engineering, Civil Engineering, Architecture Department, and Urban and Regional Planning Department. The researchers are working on six related sub-projects namely i) Benchmarking tools to create benchmarking tool applied for Surabaya, ii) Socio-institutional pathway to develop governance models enable for leapfrogging, iii) Infrastructure adaptation pathways to create simulation model of water sensitive city, iv) Green technology pathways which will work on stormwater/greywater biofilters for urban farming, v) Urban design and demonstration to test how water sensitive built environment can be developed, and vi) Learning alliances between researchers, government and industry. The results of this cooperation will be exhibited in the CommTECH Highlight 2017.

ISSUE 12/ FEB 2017

io opener

THE ITS WINDOW TO THE INTERNATIONAL WORLD



In this edition:

- 1 Hello from ITS!
ITS PTNBH - A Gate to the Open Wide Opportunities
Australia Indonesia Center - Urban Water Cluster
- 2 CommTECH Camp Highlight 2017
CommTECH Participants Testimony
- 3 ITS - University of Vienna Short Course Programme
Unleash Your Brevity: Camp Nasional Internasionalisasi Mahasiswa
CommTECH Ideas 2017: International Student Conference
International Student's Testimony
- 4 The 5th ITS Student Excursion goes to Singapore
A Review: The Third EMI Training Program
Proudly Presents A New Directorate of Innovation at ITS
ITS signed the MoU with The Ministry of Planning and Strategic Investment (MPIE) Timor-Leste

hello from ITS!

Welcome to this year's edition of IOpener "The ITS Window to the International World". We proudly present a new concept of the bi-monthly bulletin which provides all important news that includes academic activities, research, innovation, international engagement, and upcoming events.



This bulletin opens the door to the fascinating world of ITS campus by cultivating an open mind with a broad view and an attitude to communicate internationally. We believe this new concept will disseminate valuable ideas and insightful stories to be shared with all of the readers worldwide.

We have come to the year of 2017 as an autonomous university, a productive year and full of surprises and therefore a good starting point for further development and growth. ITS has become a PTNBH, a phase where the universities should be able to be more adaptive and flexible, with the ability to respond to any change promptly and to detect early changes that will occur by improving our potential resources and utilize it wisely to build "ITS" own power.

ITS as a smart eco-campus have been determined to move forward and to be a World Class University. In this regards, we are going to position ourselves by doing the things that are comparable to the best universities in the world and at the same time ensuring our higher education system offers a world-class quality for the national interest.

Prof. Ir. Joni Hermana, M.Sc., Es., Ph.D.
Rector of Institut Teknologi Sepuluh Nopember (ITS)





CommTECH Camp Highlight 2017

(Community and Technological) - Solving Local Problems with Global Knowledge

12 - 25 July 2017

Continuing the success of 2012 to January 2017 Community and Technological (CommTECH) Camp, ITS International Office is again holding CommTECH Camp Highlight 2017 with new concept. This year, the committee is finally decided to extend the program for 14 days in order to provide more interaction among participants.

This program will be held on 12 – 25 July 2017. Not only that, the coming CommTECH Highlight 2017 will be organized in a form of Project-based Learning (PbL). Participants will be team up & given a real problem related to the topic to be solved. More engagement among participants, facilitators, and community is truly encouraged.

CommTECH Camp Highlight 2017 provides 2 fascinating subcourses. Each participant should choose one of the following:



Subcourse A: Sustainable Urban Water Management

This course introduces participants to the concept of water sensitive city. The participants will learn on how cities in developing countries can have better chances towards more sustainable, resilient and livable conditions. This course covers some important aspects of leapfrogging in developing city towards water sensitive city from idea generation, brainstorming, observation, visitation and project planning. Participants also have a chance to visit community and government agencies to get better understanding about the water-related problems. Participants will be exposed to real water related project and expected to solve the problems using science and technology through a multi-disciplinary approach. This course is part of a research under Australia-Indonesia Centre.

The details of this topic can be obtained from:

<http://australiaindonesiacentre.org/clusters/urban-water/>



Subcourse B: Smart City

This course introduces participants to the concept of smart city and how Surabaya evolves towards a smart city. Many aspects of smart city including urban planning, infrastructure, the use of ICT, transportation, environment, and economic will be evaluated through an interactive teaching method and a lot of site visits. Participants will also get involved in discussions with community and government agencies to make a project plan based on Surabaya city cases. Participants will be challenged to critically solve real problems in Surabaya within the concept of smart city.

CommTECH Camp Highlight 2017 will open registration from now to **26 May 2017**. Registration form is available at

www.international.its.ac.id/commtech-highlight-2017/

Three types of scholarships* are provided as follows:

1. Full Scholarship (for 10 participants)
2. 50% Scholarship (for 10 participants) - pay USD 800
3. Partial Scholarship (for 5 participants) - pay USD 1,000

*scholarship is provided for selected participants from different institutions

So, what you have waited for?

Take your opportunity now and log on into our official

URL: <http://www.international.its.ac.id/commtech-highlight-2017/>



CommTECH Camp Insight 2017 Participant's Testimony



Ms. Dana Vianca Jean G. Serrano
De La Salle University, Philippines

"One of my reasons for joining CommTECH was simple: the Biomedical Engineering Innovations sub-course was highly relevant to my field of study. Throughout my stay, however, I came to love the program even more for the people I've met and the experiences that I had outside of the classroom. The program not only allowed me to learn about different cultures and see things from a new perspective, but it also enabled me to form new friendships with people from various nations. From society-centered activities, such as the SME site visits and the Ethno-photography course in Ampel, to recreational activities like the trip to Mt. Bromo and rafting, CommTECH was filled with fun and meaningful activities that provided an avenue for personal growth among the participants. I am very grateful to have been a part of CommTECH Camp Insight 2017 and it is truly an experience that I will never forget".



Mr. Sengxay Xayachack
FPT University, Vietnam

"If you are seeking for a new chapter of your life which full of happiness and smiles, then you are in the right place. CommTECH gives you more than main skill by learning from the sub-course, but you will know more about new cultures and the most important is you will meet strangers from many countries, you and they will rely on each other, pass a bunch of things together and become new family! it sounds weird that only 10 days how's it possible? but please believe me it's true. I cried so hard when the program was ended. Thank you to everyone especially the committee that welcomes and takes care of us so well". Love everyone in CommTECH Camp Insight 2017!



Ms. Ying-Cing Liao
Feng Chia University (FCU) Taiwan

"CommTECH Camp is full of laughter. Each of participants spends a lot of a good time here. We are not only good friends but also just like a big family. We laugh together, play together and share a lot of joy together. Time flies so fast, it is time to say goodbye to good friends. Although we will live in different countries, our friendship will be blessed forever. Wonderful memories in CommTECH camp will always accompany us."



Ms. Xiaolan Chen
University of Melbourne, Australia

CommTECH has been one of the most invaluable experiences of my life. I do really appreciate all the things happened during the period. I have not only learned how to discover problems, analyze them and then find efficient solutions but also enjoyed exchanging ideas with other participants from all over the world. It's a great channel to explore Indonesian culture, communicate with Indonesian people and experience Indonesian life style. I was moved by children's pure smile as well as impressed by every Indonesian's passion. Also, I did so many 'first time' in the program, creating unforgettable memories for my life. If you want some special experience and tend to broaden your horizon, please come to amazing CommTECH. Terima kasih CommTECH!!!

ITS - University of Vienna Short Course Programme

ITS, Indonesia & University of Vienna, Austria will organize a short program entitled "Anthropology Exploration of Surabaya's Kampung". This program is one of developed cooperation under ASEA Uninet Consortium and this program is first joint summer program between ITS & University of Vienna. This program will be held on March 19 – April 9, 2017.

There are 18 students from the University of Vienna, Austria who will participate in this program. All of them are coming from Faculty of Social Sciences. In another way, ITS Students also will join this program as the participants so they can team up with the students from University of Vienna to solve the problems.

During this program, they will explore more about Kampung in Surabaya. They will see from their perspective about How Kampung can be developed in Surabaya. Participants will also learn and observe various aspects such as; Green & Clean Kampung, Smart City, Home Industries, Heritage Preservation & Water Resilience. This program becomes more attractive because the participants of this program will live in Kampung, so participants will have many interactions with local people and can observe more details. Moreover, we will use PBL (Project Based Learning) as the learning method of this program.



CommTECH Ideas 2017 International Student Conference



International Student's Testimony

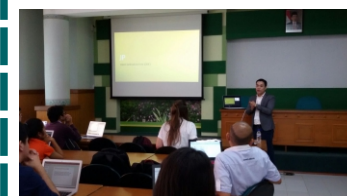
Mohammed Hatem Ali Al Hooti
Ph.D Student (Intake 2016)
Department of Informatics ITS

I am originally from Yemen. I had spent many years of industrial experience. After that, I intended to change my career and obtain the research skills. Hence, I have decided to join graduate schools. Based on that, I have got my Master degree in computer science from Institut Teknologi Sepuluh Nopember (ITS), the department of informatics in 2016.

ITS was the best choice for me since I have learned to apply my knowledge through experiences such as giving presentations and working in groups. I sense well prepared to get into the workforce because of the confident that I have obtained as an output of my master. Currently, I am a Ph.D. student in the same institution and the same department. My research area is all about information security. There are also many reasons and facts that encourage me to continue pursuing my doctoral program in ITS. The facilities that are provided by this campus such as very big and updated library center, the capability of access to the most of the credible journal websites e.g. IEEE digital library and Science direct, are very good.

Furthermore, peoples' cooperation is excellent. Both of my promoters always motivate and give me the research skills that enabled me to find new things and to publish international journals. In regards to the international office, they pay much of attention to monitoring and solve my daily life difficulties. My cooperative classmates whom we always say "doctoral informatics big family" are also awesome. I believe my success is not fully depends on my individual effort but obviously it is also based on the cooperation of the other people around me. The living costs and expenses in Surabaya are convenient in comparison to other countries. It is full of nice views, green lands, and wisely designed mosques.

Last but not the least, I am very proud of ITS. I wish this campus all the best in the next future.



CommTECH Ideas is a 3-day international student conference which invites students and young researchers from all around the world to come and share knowledge and ideas to solve global economic problems from the multidisciplinary approach. In addition to oral and poster presentation, participants will be challenged to present in 3-Minute Ideas (3MI) presentation. 3MI, adapted from the 3-Minute Thesis, is an exciting presentation approach which facilitates presenters to effectively explain their original works to non-specialist audiences in three minutes.

This program will enhance the perspective of participants and broaden their horizon with increase knowledge and understanding. The program will be held from July 24th – 27th, 2017 in Surabaya with an extensive selection of topics and multidisciplinary which allows all presenters from various kind of research background to actively participate by presenting their ideas and innovation.

In line with the CommTECH Highlight 2017, all participants will have an opportunity to present their project and ideas developed during the program in front of the wider audience in the CommTECH Ideas.

Wanna know more excitement?

Grab your chance and visit our link at

<http://io.its.ac.id/commtechideas2017/>



Unleash Your Brevity Camp Nasional Internasionalisasi Mahasiswa

The big challenge awaits Indonesian youth in the face of the Asean Economic Community (AEC). With the opening of the free market in Southeast Asia, all economic activities such as export and import of goods, investment, services, capital, and labor should be ready to compete.

MEA should not be feared, but making moments and opportunities to further enhance self-capacity by broadening the intellectual horizons as well as soft skills ability to adapt the changes and could ultimately contribute to the advancement of the nation. Student involvement as agents of change is proper to be one of the frontlines in the acceleration of the internationalization of each university.

Based on the above consideration, the Directorate of International Relations ITS has been working on an activity that is very inspiring and motivating namely the National Camp Internationalization Students on 13 to 17 February 2017. The event invites the student organization committee (ORMAWA) throughout Indonesia. The program will equip participants with insights and competencies required to contribute to global competition. In addition to the in-class sessions, participants will be given the opportunity to exchange ideas and unify vision and mission of the student movement towards internationalization.

For people who are exceptional, difficulties, deadlines and dream stack are seen as something simple. They see difficulties as the land of struggle, big dreams as fighting spirit and deadlines as the trigger that made them want to continue working. So, are you ready to be a part of us?