



CommTECH

(Community & Technological Camp)

- Solving Local Problems with Global Knowledge -

ITS International Office
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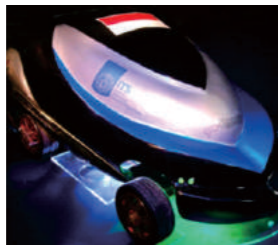


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Institut Teknologi Sepuluh Nopember (ITS)

Being one of the best universities in Indonesia, vision of Institut Teknologi Sepuluh Nopember (ITS) is to be an innovative research university with international recognition. ITS, which was founded in 1961 and consists of 5 faculties, offers courses and research in science and technology. Currently ITS has more than 20,000 students, 1,000 academic staffs, and 1,000 non academic staffs. Located at Eastern area of Surabaya, ITS occupies a large area totaling 180 hectares as its main campus in Sukolilo sub-district. ITS is prominent to provide excellent scientific activities, pleasant natural life environment, very friendly atmosphere, and enormous community spirit.

Working together with national and local government, industries, NGOs, community, and all stakeholders including alumni, ITS carries out strategic programs such as integrated internationalization programs, Lab-based-Education (LBE), technopark, eco-campus, comprehensive research and community outreach.



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About Surabaya

As the second largest city in Indonesia and the capital city of East Java province, Surabaya is well-equipped with public facilities and infrastructures. Surabaya with a population of over 2.7 million is located in the equatorial region. Hence there are only two seasons: a very humid rainy season and a dry season. Surabaya is the main seaport and commercial centre in the eastern region of Indonesia. Surabaya also known as "City of Heroes" due to the importance of "Sepuluh Nopember (10th of November)" battle during Indonesia independence war.

Surabaya is a multi-ethnic and multi religion city. It is very vibrant city that offers dynamic life style. In addition to Indonesian language, the majority of residents speak a dialect of Javanese called "Suroboyoan". English is also widely spoken at major shops, hotels and universities. Surabaya is also famous for many landmarks such as Tugu Pahlawan (Heroes Monument), Suro and Bojo Statue (Surabaya City's Symbol), Suramadu Bridge (the longest bridge in Indonesia), and many more.



About CommTECH

Continuing 2012 to 2015 Community and Technological (CommTECH) Camp, this time ITS again offers very fascinating programs for international partners under CommTECH Camp Highlight 2016 and Insight 2017. Two sub courses, i.e. exploring geo-archeology and Indonesia's geothermal potential and planning and managing sustainable coastal, would be the programs in Highlight 2016. In Insight 2017, there would be three sub courses on biomedical engineering innovation, game development programming and sociopreneurship in action. Not only thematic courses, the program will incorporate Indonesian language course, traditional music and dance classes, and batik making. Tasting delicious Indonesian foods and visiting Surabaya community and main tourist destinations will definitely become inseparable parts of the program.

All courses are designed attractively based on Participant-based-Learning (PbL) method. Materials have been compiled from many credible resources and added with interesting data and facts that will provide broader and deeper understanding on the topics. "Think Loudly" is a term encouraged in the classroom interaction, in which participants are given great opportunities to articulate their understanding and opinions. This method would provide best learning environment for participants from different countries and background to raise ideas and discuss different perspectives. All the courses have been successfully run in 2015 with great feedbacks from participants.

This program will be held for 10 days. The fee to join this program is very affordable, i.e USD 1,600. The fee will cover airport pick-up & drop-off, accommodation and all scheduled meals, local transportation, course material, workshop tools & materials such as fabrics, T-shirt & backpack, and site visits. Please note that round-trip flight and health insurance are not part of the fee. Participant should arrange their own health insurance prior to the departure, if needed.

In addition to CommTECH Camp Highlight 2016 (Aug-Sept) and Insight 2017, ITS also offers to arrange customize short programs to accommodate the needs and schedules of various international partners.

Testimony of participants

Ms. Natalie Rehberger (CommTECH Camp 2014)
Senior Students, Evergreen State College, USA



Being a CommTECH participant was a great learning experience. Not only was I able to further my studies of Indonesia, but I met many amazing people from around the world who I continue to have friendships with. In today's globalized world, increasing cross-cultural understanding is vital in order to solve global problems. CommTECH creates a hands-on environment where participants are able to build bridges across cultural differences. I was very impressed with the level of dedication and care of the staff and volunteers who make CommTECH possible

Ms. Lyudmila Schkumat (CommTECH Camp Highlight 2015)
Former Specialist of International Students Service Center
Toms State University, Russia



What is CommTECH? CommTECH is about people. CommTECH is about country. CommTECH is about friendship. CommTECH is a very thought-out program. Day by day you will learn about the culture and immerse yourself in it. For me CommTECH became even more than just short summer program. And I'm very thankful to be a part of this huge family

Dr. Serey Mardy (CommTECH Camp Highlight 2015)
Deputy Head of Office of Research & Development,
Svay Rieng University, Cambodia



"Taking ten days to participate CommTECH Camp Highlight 2015 in ITS of Surabaya was one of the best experiences I have ever had. I really felt the real experience of joining. No, it's more than experience. I have excitedly got some skills, gained trust, warm welcome and met many new friends from around the world. CommTECH Camp Highlight is like an extreme program and I strongly suggest you not to miss to participate it".

Ms. Herehau Blais (CommTECH Camp Insight 2016)
Master Students - Universite de Technologie
Compiegne (UTC) France



"In CommTECH Camp, you will discover how to make lifelong friendships in 10 days. You will also learn about cultural aspects in a very friendly and interactive way by visiting SME, admiring Indonesian landscapes such as Mount Bromo or enjoying its waterfalls while doing rafting. The courses are concrete, inspired by elements directly noticed in the environment and help developing our open-mindedness in that new country. In a word, why haven't you joined yet?"

How to Apply ?

The registration for CommTECH Highlight 2016 opens from **28 March to 1 July 2016**. Registration form available at www.international.its.ac.id/commtech-highlight-2016/

CommTECH Insight 2017 will open registration from **18 September - 29 December 2016**. Registration form available at www.international.its.ac.id/commtech-insight-2017/

Three types of scholarships* are provided as follows:

Full Scholarship (for 10 participants)

50% Scholarship (for 10 participants) - pay USD 800

Partial Scholarship (for 5 participants) - pay USD 1,000

- Selected participants with or without scholarship will be notified by email maximum one month after the submission of the registration form
- Participants who have to pay full or partial course fee are requested to pay no later than appointment date

- Acceptance letter or invitation letter will be provided for visa arrangement

For further enquiries, please contact Mr. Wahyu at international@its.ac.id

*Scholarship is provided for selected participants from different institutions

Requirements

- Scanned passport
- One recommendation letter from your university
- Scanned students/staffs/lecturers I.D or statement letter that you are staff or lecturers from your university



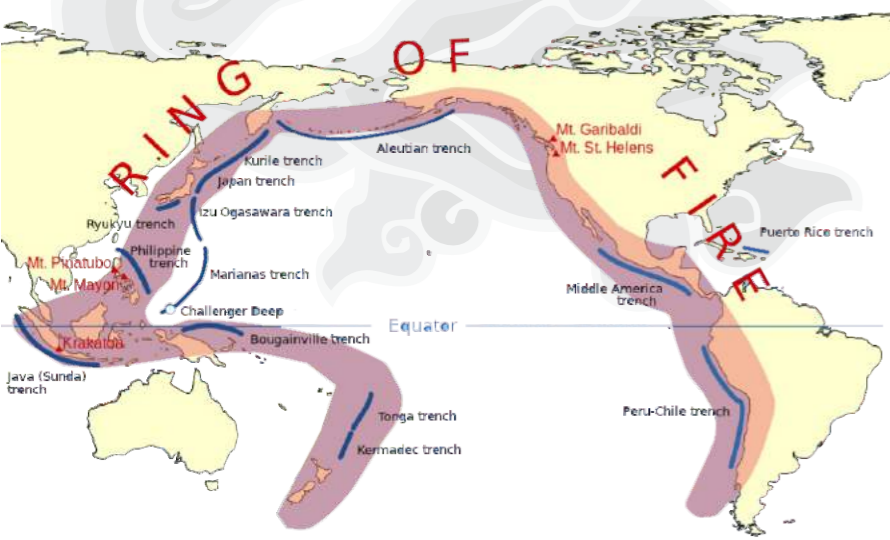
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Highlight 2016

22 - 31 August 2016

CommTECH Camp Highlight 2016 provides 2 sub courses for the participants. Each participant must choose one of the following:



SUB COURSE A Ring of Fire

Located in the Pacific "Ring of Fire", particularly in one of the most tectonically active regions in the world and nested near the boundaries of the Indo-Australian, Pacific, Philippine and Eurasian tectonic plates, Indonesia is incredibly susceptible to natural disasters. Living along the Ring of Fire means living with volcanic activities. The Ring of Fire is a geographic region that contains over 450 volcanoes and is home to nearly 90% of the world's earthquakes. On average, Asia experiences over 115 natural disasters a year. In this course, students will learn about geo-archeology and Indonesia's geothermal potencies. The region's unique geological complexity that is responsible for its dynamic geothermal activity. In CommTECH Camp Highlight 2016, ring of fire subjects will take students to discuss about environment civilization in volcano, the beauty of ring of fire and volcanic islands.



SUB COURSE B Strands of Sand

The coastal area is a transitional area between land and ocean that has a physical boundary. As the largest archipelago country in the world, Indonesia's coastal areas are very strategic with their comparative and competitive advantages that could be the prime mover of the national development. In Indonesia's history, most of big cities started in coastal areas i.e. Jakarta, Surabaya, Semarang, and Balikpapan because of geographical advantages and environment services. To optimize the use of marine and coastal resources, policy intervention through spatial planning, government handling, and cooperation between stakeholders including public and private sectors are required. In CommTECH Camp Highlight 2016, this sub course will take students to discuss and simulate the management of coastal planning this archipelago country. The highlights in this subject consist of Coastal Planning Policies, Integrated Coastal Zone Management (ICZM), Coastal Risk Management, and Coastal Tourism. This program is designed to suit either bachelor or master even doctoral students with or without specific knowledge in coastal development and planning.

CommTECH Camp Highlight 2016

Schedule

CommTECH Camp Insight 2017

Day 1 - Welcome Ceremony - Campous Tour - Wecome Dinner Day 2 - Course - Indonesian Language Course - Traditional Games Day 3 - Course - Traditional Dance & Music - Visit SMEs Centre & Mirota Day 4 - Course - Course on Ethno-Photography - Course on Tourism Documentary Video Day 5 - Site Visit Day 6 - City Tour - SME Visit - Tour to Bromo Day 7 - Bromo Adventure - Rafting Day 8 - Preparation for Presentation - Dinner with City Mayor Day 9 - Presentation in Department with New Students - Presentation & Exhibition for the Project Day 10 - Amazing Race - Surabaya Walk - Closing Ceremony & Fireworks	Day 1 - Welcome Ceremony - Campous Tour - Wecome Dinner Day 2 - Course - Indonesian Language Course - Traditional Games Day 3 - Course - Traditional Dance & Music - Visit SMEs Centre & Mirota Day 4 - Course & Introduction Pbl - Site Visit Day 5 - Project based Learning (Pbl) - Group Work and Discussion - Survey - Internal Review Day 6 - City Tour - SME Visit - Tour to Bromo Day 7 - Bromo Adventure - Rafting Day 8 - Preparation for Presentation - Dinner with City Mayor Day 9 - Presentation in Department with ITS - Presentation & Exhibition for the Project Day 10 - Amazing Race - Surabaya Walk - Closing Ceremony & Fireworks
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For more details about the programs, you might download the rundown, syllabus and videos in our website at www.international.its.ac.id

Customize Short Programs

In addition to CommTECH Programs, ITS is also willing to organize a customized short-course program for minimum 10 participants based on specific request of our international partners. The schedule, content, and course fee of the program can be tailored to suit your requirements. ITS offers five main topics which are:

- Community based Sanitation
- Sustainable Development in Developing Countries
- IT in Emerging Society
- Business Model Canvas (BMC)
- Green Business in Indonesia

You can combine a particular topic with Indonesian language course, traditional music and dance classes, soft skill development, community engagement, site visits, and many more.

For further enquiries, please contact Mr. Wahyu at international@its.ac.id.

SUB COURSE A Sociopreneurship in Action



This course will not only introduce participants to the concepts of social enterprise but also will bring participants to experience how to build a social enterprises. The sub course will cover some important aspects of new venture creation from idea generation, brainstorming, prototyping, validating and testing the idea and develop the right business model. Experiential learning, in which participants will observe, visit, and live in the real community setting in order to get a better sense of how the social enterprise works, will be the most attractive part of this sub course.

SUB COURSE C



Introduction to Game Programming

This course introduces participants to the concepts, problems, and methods of computer programming, and how these applied to the creation of games. This sub course assumes no prior programming knowledge, and is designed to explore the basic principles of digital design in the form of computer code. There will be an emphasis on programming fundamentals and participants will be motivated through the lens of designing and producing video games. In this sub course, participants will also learn about game storyboard, game design, and game behaviour.



Insight 2017

23 Jan - 1 Feb 2017

CommTECH Camp Insight 2017 provides 3 sub courses for the participants. Each participant must choose one of the following:

SUB COURSE B Biomedical Engineering Innovation



This course will introduce participants about four main points, which are musculoskeletal modeling for rehabilitation purpose, wearable sensor system for human movement studies, development of braille embosser for special need school, and ultrasound system for catheterization. In the first point, participants will learn methods that used in modeling musculo-skeletal system. The model is intended to be used to study control method for movement rehabilitation using functional electrical stimulation (FES). The participants also study design and realization of portable sensor system used as a wearable sensor for measuring gait data. In this sub course, the participants will also get more information about design and realization of braille embosser for blind people and how to develop the tracking system for sthen catheter using ultrasound.

