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.

Institut Teknologi Sepuluh Nopember (ITS)

Being one of the best universities in Indonesia, the 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 10 faculties, offers courses and research in science and technology. Located at Eastern area of Surabaya, ITS occupies a large area totaling 180 hectares as its main campus in Sukolilo.

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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13 days in Indonesia
get 3 transferable credits*

CommTECH Camp Highlight 2018

9 - 21 July 2018

(Community & Technological Camp)

- Solving Local Problems with Global Knowledge -

About **CommTECH**

Continuing 2012 to 2017 Community and Technological (CommTECH) Camp, this time ITS again offers a very fascinating program for international partners namely CommTECH Camp Highlight 2018. This program provides three sub courses on **Mapping Sea Surface & Seabed Surface**, **Exploring the Biodiversity of Coastal Ecosystem** and **Unmanned Surface Vehicle : Design, Build and Operation.** 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 Project-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 program will be held for 13 days. The fee to join this program is very affordable, i.e USD 1,600. The fee will cover airport pick-up and drop-off; accommodation and all scheduled meals; local transportation; course material; workshop tools and materials such as fabrics, T-shirt and backpack; and site visits. Please note that round-trip flight and health insurance are not part of the fee. Participants should arrange their own health insurance prior to the departure if needed.

Application **Procedure**

CommTECH Camp Highlight 2018 will open registration from **5 January 2018 - 25 May 2018**. Registration form available at **www.international.its.ac.id/commtech-highlight-2018/**

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

- 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

Requirements

- Filled application form
- Scanned passport
- One recommendation letter from your university
- Scanned student/staff/lecturer ID or statement letter stating that you are a student/staff/lecturer from your university

CommTECH Program Manager Muh. Wahyu Islami PM, S.T. (Mr. Wahyu)
Contact us on **commtech@its.ac.id** or **internationaloffice.its@gmail.com**

Participants **Testimonials**

Nikolay Radionov
(CommTECH Camp Insight 2016 participant)
Tomsk State University, Russia

"When I had come back from Indonesia, I made a presentation about my trip there. Choosing a name for it was a real stumbling block for me, yet, eventually I made a decision to call it "The Most Interesting Experience in My Life." Indeed, CommTECH was full of new impressions, emotions, meetings, and insights. It was my first time abroad, and the best one! We got all of it- because great team of volunteers helped us! Besides, CommTECH is a marvellous way to learn Indonesian Culture; it was incredibly amazing to dance "Saman"!"

Mohammad Alrifai
(CommTECH Camp Highlight 2017 Participant)
University of Technology Sydney (UTS), Australia

"I was looking for a word to summarise the program, however an infinite amount of words would not be enough to summarise how I am currently feeling. From start to finish, this program has been an amazing learning experience. The program is set out in a way that keeps the experiences dynamic. My initial expectation was that with so many countries in one location people would nor get along but the exact opposite happened. Some of the strongest bonds have been formed with the committee as well as the students. Although we would come back to the hotel tires, we go to karaoke, dinners and sightseeing together, enjoying every moment. I myself traveled with 5 other students from the program after. The committee looked after us and went above and beyond what was expected. They would dedicate their time even after the daily program was over to show us around if we requested it. All in all, I would diffidently recommend this program to anyone who wants to learn and have an adventure at the same time. "

Prof. Arlen Archeta
(CommTECH Camp Highlight 2016 Participant)
University of Santo Tomas, Philippines

"The 2016 CommTECH Camp Highlight that I participated provided me a wider perspective of Asian diversity in the context of religion, community development, technology and social relations. The workshops promoted cultural unity among the participants in which knowledge was shared across races, religions and academic orientations. On top of that, cultural and social engagements are exposures to Indonesian history, urban living, ecotourism, and internationalization. I am inviting everyone to join CommTECH"

Sengxay Xayachack
(CommTECH Camp Insight 2017 Participant)
FPT University, Vietnam

"If you are seeking for a new chapter of your life which full of happiness and smiles then you're in the right place. CommTECH not only gives you main skills which you will learn from the sub-course, but you will also know more about new cultures and the most important is you will meet new people from many countries. You and them will rely on each other, pass a bunch of things together and become new family! It sounds weird how it happens only in 10 days of being together. But please believe me it's true. I cried so hard when the program ended. Thank you to everyone especially the committee that welcome and take care of us so well. Love everyone in CommTECH 2017!"

Program **Schedule**

Day 1
Welcome & Opening
Ceremony
Campus Tour

Day 2
Course 1 : Introduction
Indonesian Language Course
Traditional Games

Day 3
Traditional Music & Dance at
Highschool
Course 2

Day 4
Course 3 : Visit 1
Course 4 : Visit 2
Practice Traditional Music and
Dance

Day 5
Site Visit at East Java
Government
Course 5 : Project Launching

Day 6
Visit 3 : Project 1
Small Medium Enterprise Visit

Day 7
Surabaya City Tour
Shopping Time

Day 8
Visit 4 : Project 2
Depart to Field Project
Dinner & Welcome by Village Head

Day 9
Field Project Overview
Project Group Discussion
Project 3

Day 10
Project 4
Exploring East Java Beach
Camp Fire

Day 11
Internal Review
Exploring Indonesian Temple
Back to Surabaya

Day 12
Dinner with City Mayor

Day 13
Final Presentation
Closing Ceremony

For syllabus and schedule details, please visit
www.international.its.ac.id/commtech-highlight-2018

CommTECH Gallery

Sub **Courses**

CommTECH Camp Highlight 2018 provides **3 subcourses**. Each participant should choose one of the following:

Subcourse A:
Mapping Sea Surface and Seabed Surface

Only about 5% of the world's sea floor has been mapped in some detail. Since the ocean occupies roughly 70% of the Earth's surface, this leaves approximately 65% of the Earth (excluding dry land) unexplored. That is quite a lot of Earth left to explore! In CommTECH Camp Highlight 2018, this course will take you to discuss and practice on mapping the sea surface and subsurface in Indonesia waters. The highlights in this subject consist of sea floor mapping, positioning at the sea and mapping water parameters using satellite imagery. This program is designed to suit bachelors, masters or doctoral students with or without specific knowledge in ocean mapping.

Subcourse B:
Exploring The Biodiversity of Coastal Ecosystem

Indonesia is known as a mega-biodiversity country. Indonesia is an archipelagic state, its territory stretches from 6º N to 10º S and from 95º E to 142º E, comprises about 18,110 islands with a coastline of about 108,920 km. The diversity of Indonesian marine life is hard to be precisely reported, new species are still being described and many more are still unknown. In CommTECH Camp Highlight 2018, our subjects will take you to discuss and simulate the biodiversity in this archipelagic country, Indonesia. The highlights in this subject consist of Exploring The Microbial Diversity in Tropical Mangrove Rhizosphere, Vegetation Analysis of Mangrove Ecosystem, Birdwatching on Track, Identification and Analysis of Parasite for HealthyFood, Conservation of Germplasm from Coastal Ecosystem and final review. This program is designed to suit bachelors, masters or doctoral students with or without specific knowledge in biology or coastal management.

Subcourse C:
Designing, Building, and Operating Unmanned Surface Vehicle

In the era of technology and communication, the task of humans increasingly helped by the presence of robot technology. This technology has begun to enter the field of naval architecture in which one of them is Unmanned Surface Vehicle (USV), a vehicle that operate on the surface of the water (watercraft) without a crew and controlled manually or autonomously via the Ground Control Station (GCS). In CommTECH Camp Highlight 2018, we will take you to understand and build your own ship prototype. The highlights in this subjects is that you will learn how to design, build, and operate your own ship. In addition, you will be invited to see the development of other type of vessels created by students in our department, i.e solar boats. This program is designed to suit bachelors, masters or doctoral students with or without specific knowledge in naval architecture field.