Welcome to our e-newsletter!

Greetings and a warm welcome to the first issue of our new monthly e-newsletter!

We couldn't be more excited to have made it to this point. We hope you will enjoy this new way to keep you informed of the exciting news of our faculty, students and alumni of the Department of Energy, Environment and Climate Change.

Please take some time to get to know the layout of our e-newsletter. You will notice the four categories of Feature Story, Spotlight Articles, Month Highlights, and Research & Innovation.

In every issue there will be a spotlight article of faculty members in order to know the faculty better. Likewise there will also be a student/alumni say section to highlight a current or former student, the lifestyle at EECC and the different career prospects. Every issue will feature the latest news and events of the month.

If you haven't checked with us lately, I think you will be surprised and excited about all the wonderful things happening in the EECC Department. We hope to hear from you soon, and we welcome your feedback!

If at any point you no longer wish to receive the e-newsletter, simply click on the unsubscribe link in the footer of each issue. Feel free to forward this to your friends. They can subscribe through the link below.

Dr. Shobhakar Dhakal to Co-chair Scientific Steering Committee of IPCC Sponsored Global Conference on Cities and Climate Change Science

5th - 7th March 2018, Edmonton, Canada

The conference aims to inspire the next frontier of research focused on the science of cities and climate change.

The primary goal of the conference is to assess the state of academic and practice-based knowledge related to cities and climate change, and to establish a global research agenda based on the joint identification of key gaps by the academic, practitioner and urban policy-making communities.

The conference seeks to forge stronger partnerships among these communities and catalyze new processes for joint knowledge production; connect existing data platforms and potentially initiate new ones; as well as catalyze funding to meet these goals.

It will bring together representatives from academia, scientific bodies, other research organizations and agencies; member states of the United Nations; city and regional governments; and urban and climate change practitioners and policy-makers.

Read more

Conference Objectives

- Identify key research and knowledge gaps with regard to cities and climate change
- Inspire global and regional research that will lead to peer-reviewed publications and scientific reports, co-designed and co-produced knowledge leading to effective and inclusive urban practices
- Stimulate research on Cities and Climate Change during the AR6 cycle
Dr. Shobhakar Actively Contributes to the International & Scientific Arena

**Urban Design and Sustainable Buildings (UDBS)**
23rd - 25th October 2017, Brussels

Dr. Shobhakar organizes a key Theme ‘Urban Design and Sustainable Buildings’ at Global Science, Technology and Innovation Conference in Brussels.

Participants, representing policymakers, technology researchers, business and industry captains, and civil society attended the meeting.

**Cities and Climate Change 2017 Conference, Potsdam**
21st September 2017

Dr. Shobhakar Dhakal urges the science, policy and practice communities to develop new solution-oriented knowledge towards deep de-carbonization of cities as a keynote speaker to Cities and Climate Change 2017 Conference at PIK (Potsdam Institute for Climate Impact Research) on 21st Sept 2017.

Cities are key to new global actions for short and long-term consistent to Paris Agreement,

**Design, Operation and Maintenance of Reverse Osmosis**
24th - 25th October 2017, Islamabad, Pakistan

Institute of Environmental Science and Engineering (IESE) of National University of Sciences and Technology (NUST), Islamabad, Pakistan invited Prof. Visu to coordinate a 2 day Professional Training Program on “Design, Operation and Maintenance of Reverse Osmosis (RO)".

The program saw more than 30 participants from the industrial sector in Pakistan

From the sidelines of the training, they explored the possibility of a joint activity related to resilient cities and to discuss innovation and explore partnerships.

Prof. Visu presented on “Academic Curriculum on Holistic Waste Management". He talked on the AIT’s leading role in development of the 33 credit course curriculum developed for the Professional Master’s program on Holistic Waste Management with 6 University consortium.

**Global Dialogue on Technology for Resilient Cities**
17th - 19th October 2017, Osaka, Japan

Global Dialogue on Technology for Resilient Cities was organized by UNEP, International Environmental Technology Centre, Osaka, Japan.

The objective of this session was to share the experiences on education, awareness and capacity building approaches related to resilient cities and to discuss innovation and explore partnerships.

Prof. Visu presented on “Academic Curriculum on Holistic Waste Management". He talked on the AIT’s leading role in development of the 33 credit course curriculum developed for the Professional Master’s program on Holistic Waste Management with 6 University consortium.

**Environmental Management and Climate Change**
20th - 22nd September, Ho Chi Minh, Vietnam

Prof. Visu was the Resource Person at the 3 day Training Program on “Environmental Management and Climate Change” organised by Centre for Research and Development of Safety and Environment Petroleum (CPSE), Ho Chi Minh City, Vietnam held from 20th - 22nd September 2017. Professor Visu lectured on current status of environment in Southeast Asia region, and a review on industrial environmental management practices in Asia. Specific focus was on how to develop EMS and ISO14000 certification process for petro-chemical industry.

He is also a visiting professor at the HCMC University of Technology.
Energy Resources and Technologies Field Trip
2nd - 6th October 2017

Study tours provide plenty of opportunities for the students to connect their classroom-theoretical knowledge to the real life applications. Such a practical orientation not only cement the learning but also facilitate to explore novel solutions to the existing challenges or to generate new ideas for further development.

Keeping the importance of practical orientation to complement theoretical learning, the course administration of the Energy Resources and Technologies (ED72.01) has organized a field trip. Dr. Abdul Salam, the course instructor, led the team of over 50 people successfully in association with Dr. Hien Vu Duc, Senior Laboratory Supervisor and Khun Phornshinee Thanara, Administrative Secretary.

The 5 days field trip covered nine energy establishments including seven power plants, one coal mine, and an oilfield. The field trip has complemented our theoretical learning of energy and electricity technologies including sources, production processes, and operation and management of the plants.

It provided adequate opportunities for the student to witness the operation of the plants, to know the machineries, to observe the magnitude of the plants and required operational tools, security issues, challenges and the overall management.

This study tour has also introduced the participants indirectly to the energy and electricity policies and strategies of the Thai government. They got a workable idea of the structure of the electricity sector of Thailand including demand and supply dynamics, responsible entities, mix of energy sources for electricity generation, outsourcing mechanism, and technology and technical know-how.

It is reasonable to expect that many of the participants have come across new ideas from this practical orientation. Surely, the acquired knowledge and ideas, and the orientation to the Thai electricity policies and strategies will help many participants to undertake suitable initiatives in development of the electricity and energy sectors of their own countries.

Read the full report here

Field Trip Objective
‘to introduce the students to the practical working environment in order to enable them to match their theoretical learnings with their real life applications’

The 18th GEIA Conference: Emissions Science for Healthy Environment
2nd - 16th September, 2017, Hamburg, Germany

Dr. Ekbordin Winijkul was invited for a presentation on “Current and Future Particle Number Size Distribution Emission Inventory of On-road Vehicles in Southeast Asia” at the 18th GEIA conference: Emission Science for Health Environment in Hamburg, Germany. This emission inventory is the first inventory that focuses on particle number distribution from transportation in Southeast Asia, and can be directly linked to better understanding of health impacts of emission from transportation.

Prior to joining AIT for PhD degree, Mr. Khan has worked at various capacities from Assistant Commissioner to Senior Assistant Secretary in Bangladesh. Mr Khan belongs to Bangladesh Civil Service Administration Cadre.

TORUS Project 5th Thematic Workshop
4th – 9th September 2017, Nong Lam University, Ho Chi Minh, Vietnam

Prof. Kim Oanh participated in the 5th Toward an Open Resources Using Service (TORUS) project thematic workshop on “Remote Sensing and Image Analysis in Environmental Science Applications”. The workshop was coordinated by the NLU, and saw participation by all project partners from France, Belgium, Italy, Thailand and Vietnam.

Field excursion to the Can Gio mangrove forest was arranged on the first day of the workshop. Various training topics were delivered during the workshop including the cloud computing application using the server installed at AIT. Prof Kim Oanh led the AIT team in the discussion of project activities during the workshop and participated in the project steering committee meeting held on the last day of the workshop.
Scholarship Deadline For January Semester is Just a Week Away!
15th November 2017
In less than a week, we will be closing our scholarship application for January Semester 2018. Scholarships for January Semester is limited, we recommend prospective students to apply early to maximise the scholarship opportunities.

Create an account today on our Application Portal and/or bring it to the notice of other aspirants to apply online by the November 15 deadline to join us!

Bangchak Scholarships
Fully funded
Bangchak Initiative and Innovative Centre (BIIC@AIT) located at the Asian Institute of Technology (AIT) in Thailand is currently looking for excellent graduate applicants with interests in green Energy such as smart energy platform and Bio-based product with a focus on value-added from Algae.

The Bangchak Initiative and Innovative Centre addresses fundamental and applied research challenges facing the Renewable energy industry worldwide and its objective is to inculcate entrepreneurship and creation of enterprises on knowledge-based innovation. The research program concentrates on smart energy platform which includes energy storage, smart device and energy efficiency and bio-based product which can be biomaterial, biodegradable and biomedical.

The Centre is generously funded to collaborate closely with top industries and universities domestically and internationally.

AITCV Silver Jubilee Scholarships and Fellowships
Tuition + Registration fees + Accommodation + Bursary for living
AIT Vietnam’s 25th Anniversary Scholarship Program is for full-time studies at AIT Bangkok to celebrate the partnerships which have helped AIT to be successful in Vietnam and acknowledge the contributions of the nearly 4,000 alumni of AIT in Vietnam.

The program also identifies the most gifted potential graduate students and those who come from economically disadvantaged families throughout Vietnam.

AIT Fellowships
Partial Tuitions Fees
We offer generous fellowships for students who can contribute to the learning experience and make a positive impact on society.

The Master and Doctoral degree applicants have an opportunity to qualify for these generous academic fellowships.

A large number of no-bond AIT Fellowships are available for students from all countries. As Asia’s leading international higher learning institute, the AIT Fellowships are intended to increase the number of skilled international scientists, engineers, and managers required to meet the future challenges of the emerging Asian Economic Community region and beyond.

Apply early to improve your chances of a fellowships.

EECC Department’s Website
The Department of Energy, Environment and Climate Change has launched its new website in October. It will serve as the primary source of information (dissemination and collection) of the department to the world.

The website offers an accurate picture of the programs and curriculum, the people & expertise, events & news, research & publications, and a many more. You may visit our site at the following link

www.eecc.ait.ac.th

“AIT develops global citizens for the sustainable future of mankind”

Prof. Worsak Kanok-Nukulchai, President, AIT

Social Media
To engage the potential & current students and also to keep connected with the alumni & donor community, we have opened the social media accounts alongside the website.

Please feel free to like, follow, share, and comment on our social media pages. Our followers will receive exclusive offers and stay updated on the latest developments and special events on campus and beyond.