Researchers Building a South-South Energy and Climate Change Research Network
25 - 27 September 2018, University of Cape Town, South Africa

Assoc. Prof. Dr. Shobhakar Dhakal, Head of the Department of Energy Environment and Climate Change was invited to join a workshop organized by the University of Cape Town’s Energy Research Centre and African Climate & Development Initiative in partnership with the UK’s Tyndall Centre for Climate Change Research.

The workshop held from 25 - 27 September 2018 was supported by a grant from the Global Challenge Research Fund (GCRF) of UK.

The workshop brought together partners from the Global South and the UK to enhance research collaboration geared towards contributing to solving the world’s pressing development challenges. The key question of the workshop was to look on how to successfully manage the inequalities that emerge from climate change and poverty reduction towards prosperous, climate compatible development pathways.

The workshop aimed to:
- build an excellent, friendly and engaged network of climate and development researchers in the Global South
- co-author a thought piece on: inequalities in climate change and poverty reduction, and
- develop concept notes on sub-themes for future calls.

Prof. Visu to Serve as an Advisory Committee Member of the UNEP’s SCP Project

Prof. C. Visvanathan from the Department of Energy, Environment and Climate Change was invited to serve as an advisory committee member of the UNEP’s Switch Asia Project on Sustainable Consumption and Production Tertiary Academic Program.

This project is coordinated by the Centre of Excellence on Hazardous Substances Management of Chulalongkorn University and UNEP – ROAP.

The first meeting of this advisory committee was held from 25 - 26 September 2018 at Chulalongkorn University.

Prof. Visu presented the AIT course modules on SCP, and his experience in developing SCP curricula for the Sri Lankan Government as part of the Switch Asia project at the meeting.
Doctoral Seminar by Mr. Chawalit Chaiwong
13 September 2018, S101, SERD Meeting Room

Mr Chawalit Chaiwong, a doctoral student in Environmental Engineering and Management program delivered a Doctoral Program Seminar on “Development of Novel Biofilm Photobioreactor for Treatment of Nutrients and Pathogens in Septic Tank Effluent” on 13 September 2018.

Mr. Chawalit’s research interests include: water and wastewater treatment, environmental pollution and biological effluent treatment processes. He is currently working under the supervision of Prof. Thammarat Koottatep.

The Doctoral Seminars of EECC Department are organized and held by the doctoral candidates of Energy, Environmental Engineering & Management, and Climate Change & Sustainable Development Programs.

It is aimed at sharing knowledge among the participants and encourage interaction.

Regional Partnership for Basic Human Right in ASEAN Developing Countries
8 August 2018, Asian Institute of Technology

Asian Institute of Technology (AIT) hosted a regional workshop on 3 & 4 September 2018. The workshop was funded by Bremen Overseas Research and Development Association (BORDA). Experts in Public Work, Wastewater Treatment and Sanitation areas from several ASEAN countries namely Cambodia, Indonesia, Lao PDR, the Philippines, Thailand, Vietnam and Japan participated in the workshop.

BORDA is a civil society expert organisation that is promoting and contributing to the achievement of Sustainable Development Goals; ensuring access to water and sanitation for all as specified in goal number 6 and making cities inclusive, safe, resilient and sustainable as specified in goal number 11. It’s headquarter is located in Bremen, Germany with regional offices in Tanzania, India, Afghanistan, Indonesia and Mexico. With a network of local partner organisations, BORDA works in more than 20 countries and provide practical assistance where it is needed.

With support from the German Federal Ministry for Economic Cooperation and Development (BMZ), AIT-BORDA, a 3 year collaboration embarked with the following aims:

- establishment of a testing centre capable of proving performance and material of on-site sanitation
- establishment of demonstration centre for showcase of proven and certified technologies for on-site sanitation
- establishment of capacity development centres for decentralised approaches. Other than that, the collaboration will gradually improve to function as a regional knowledge hub for decentralised approaches for wastewater management in urban context.

Prof. Thammarat is the principal investigator of the AIT-BORDA project. One of the speakers, Mr. Kolin Low, Regional Manager at ISO, Singapore said “The lack of wastewater treatment and sanitation system, especially the resource intensive conventional centralized systems, is immense in most ASEAN countries.”

Bangabandhu Chair Professor and Scholar at the Power and Energy Week
6 - 8 September 2018, International Convention City Bashundhara, Bangladesh

Bangabandhu Chair Professor at AIT, Prof. Joyashree Roy and Bangbandhu Scholar Mahmud Hasan attended the Power and Energy Week 2018 from 6 - 8 September 2018 at the Bashundhara International Convention Center, Bangladesh.

Prof. Joyashree Roy delivered a keynote speech on Sustainable Energy and Energy Pricing. Other industry experts, professionals, and researchers also spoke at the event.

As per the Government’s Sustainable Development Goals, the National Power and Energy Week 2018 aims to promote the innovation quotient of the power and energy sector that has shown remarkable uplift in the past decade.

“Power and Energy Week 2018 looks forward to encourage youth empowerment and give rise to vibrant businesses that contribute to economic growth and broaden socio-economy relation between other countries. It aims to elevate the industrial development and nurture innovation that amplifies the strength of the government and also support in achieving the development targets of the country,” reads the statement on the website of the Ministry of Power, Energy and Mineral Resources.
Thai Germany Cooperation Discusses Reduction of GHG Emissions in Wastewater

11 September 2018, Asian Institute of Technology

Prof. Thammarat Koottatep of the Department of Energy, Environment and Climate Change attended the Water and Wastewater Companies for Climate Mitigation Thailand (WaC CliM) event at the Centara Grand Hotel Central Plaza Ladprao, Bangkok.

The meeting held on 11 September 2018 was to discuss the feasibility study on potential climate change mitigation target in Thailand’s domestic wastewater sector. Mr. Chira Wongburana, Acting Director General of the Wastewater Management Authority (WMA) and Mr. Soeren Rued, Project Director of WaC CliM presided over the event.

Prof. Thammarat presented the results of the study on the potential of Greenhouse Gas mitigation in domestic wastewater management in Thailand.

The WMA’s study and the evaluation of data collected from domestic wastewater management indicated that the domestic wastewater management sector has the potential to reduce Greenhouse Gas emissions by up to 0.8 million tons of carbon dioxide equivalent in 2030, assuming that 92 community water treatment systems are operated efficiently across the country.

The event set the stage for the participants from WMA, the Office of Natural Resources and Environmental Policy and Planning (ONEP), the Pollution Control Department (PCD) and the Department of Industrial Works (DIW) to share their opinions on the study results.

The results will be used in the setting of a Greenhouse Gas mitigation plan in Thai wastewater management in the future.

At a meeting on the feasibility study of Greenhouse Gas mitigation for wastewater sector in Thailand

ICUE 2018 conference will be a venue to exchange research ideas, experiences, technical, social, financial, economic and policy issues covering greening energy utilization. Here, energy professionals, policy makers, researchers, members of the academe, engineers, members of the energy supply sector, etc., will have a platform to showcase research findings, technological innovations, transformative emerging technologies, and even to discuss burning global, regional and national issues in energy utilization for development and environment policies and programmes.

Awards and Publication

Awards will be accorded to well-written and presented papers. The winning papers will also be invited for publication in the International Energy Journal (a Scopus-indexed and EI Compendex-listed peer-reviewed journal).

Best Student Paper Awards

Gold, Silver and Bronze awards will be accorded to well-written and presented papers. The winning papers will also be invited for publication in the International Energy Journal (a Scopus-indexed, ESCI -abstracted and EI Compendex-listed peer-reviewed journal).

Sponsors and Exhibitions

Platinum Package (150,000 THB):
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Gold Package (75,000 THB):
2 waived registration fees + company logo in plenary hall, breakout rooms, and conference kits + 2 round-trip, economy plane tickets (Bangkok-Phuket-Bangkok) + 3 nights accommodation (twin-bed sharing).

Technical Collaborator (125,000 THB):
2 hour sponsored session + 6 waived registration fees + company logo in plenary hall, breakout rooms, and conference kits.
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Next!!!
ICUE Conference 2018

For feedback, contact
dorji@ait.asia

AI President paid a Visit to the EEM Laboratory
7 October 2018, EEM Laboratory

Admissions Open for January Semester 2019
15 November 2018

The Department of Energy, Environment, and Climate Change is accepting application for the January Semester 2019. Sign up to learn how a degree from AIT can help you meet your personal and career goals. We offer fellowships to qualified students.

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Mr. Tejas Shah

“I believe the most remarkable thing about AIT is its highly diverse student population, which provides me with daily exposure to a plethora of brilliant people and ideas. After two years at AIT, I feel my expectations are not only being met, but also surpassed.”
Ms. Nguyen Nhat Ha Chi