

PROFESSIONAL DEVELOPMENT

Are you looking to share your environmental research on an international platform? Build your CV and have a once in a lifetime experience delivering a lecture to researchers across the world! The International Institute for Environmental Studies (IIES) and the Environmental and Life Sciences (ENLS) Graduate Program at Trent University is inviting all graduate researchers in the environmental sciences, to participate in the IIES graduate student lecture series.

UPCOMING EVENTS

11TH SINO-FRENCH INTERNATIONAL WORKSHOP ON CONTAMINATED SOIL REMEDIATION

Innovations for the circular economy by recycling secondary resources.
OCTOBER 29 - NOVEMBER 2, 2018 | SUN YAT-SEN UNIVERSITY (GUANGZHOU / SHENZHEN, CHINA)

2ND IIES GRADUATE STUDENTS FORUM

Soil Contamination & Remediation AND Water Contamination & Management
NOVEMBER 1-3, 2018 | HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY (HONG KONG)

ENVIRONMENTAL & HUMAN HEALTH RISK ASSESSMENT E-COURSE

Course co-ordinator: Huy Dang, huydang@trentu.ca
WEDNESDAYS, OCTOBER 24, 2018 - JANUARY 16, 2019 | ONLINE

CALL FOR ABSTRACTS: INTERNATIONAL GRADUATE STUDENT ONLINE LECTURE SERIES

This lecture series will explore environmental science topics as they relate to global environmental issues.
SUBMISSION DEADLINE: NOVEMBER 9, 2018 | ONLINE (STARTING JANUARY 2019)

ISSUE

01

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INTERNATIONAL
INSTITUTE FOR
ENVIRONMENTAL
STUDIES
QUARTERLY

IIESNEWS

UNDERGRADUATE SUMMER SCHOOL

Nanjing University School of Environment held the 2018 Environmental Science Summer School from June 18-22. This year's theme was "Fate and Effects of Chemicals and Hazardous Materials in the Human and the Environment".

The IIES supported undergraduate students from Keele University, University of Edinburgh and Trent University to attend the summer program. Other non-IIES participants included, University of Applied Science and Art Northwestern Switzerland (FHNW), University of Leeds, Hong Kong Polytechnic University, Wageningen University, and the University of Utrecht.

Lectures were given by renowned scientists and professors as well as editors from acclaimed environmental journals.

Next year the Undergraduate Summer School will be held jointly at Nanjing and Shanghai Jiao Tong Universities.



THIS ISSUE

Director's Message **P.1**

Student Perspective **P.2**

UK-China Low CO2 College **P.3**

Upcoming Events **P.4**

DIRECTOR'S MESSAGE

Welcome to the first edition of the IIES NEWS, a quarterly newsletter in which we will highlight past and future events of the International Institute for Environmental Studies as well as those of our partner institutions around the globe. If you have not had the opportunity yet to engage with the IIES our mission is to promote truly international collaboration in environmental science, engineering and policy.

Now entering our fifth year of operation, the IIES continues to grow, with increasing participation by students and faculty members. Administration of the IIES is

located at Trent University in Peterborough, Canada as well as at Nanjing University, China. Work is nearing completion on new IIES facilities in the Nanjing University School of the Environment. The facilities consist of offices for the Director, the Associate Director, visiting students, and faculty members as well as a lecture and meeting room, with funding being provided by Nanjing University.

"Our mission is to promote truly international collaboration in environmental science, engineering and policy."

Several new members have been appointed to the IIES Board of Directors: Professor Yong Geng, Dean of the School of Environmental Science and Engineering, Shanghai Jiao tong University, Professor Maija-Riitta Hirvonen, Head of the Department of Environmental Science at the University of Eastern Finland, and Dr Robert Page, former VP Environment at Transalta Corp and former Chair of the ISO 1400. Professor Huan Zhong from Nanjing University has taken over from Lena Ma as the Associate Director of the Institute.

If you have an event or news story you would like to share, please make all submissions to juliacolley@trentu.ca.

If you would like to find out more about the operation and events of the IIES or wish to donate to support our work, please contact Julia Colley or me at devans@trentu.ca.

As you will find elsewhere in this newsletter, we have several upcoming events planned. I invite you to take part in any of these. I particularly want to highlight the formation of a new international graduate seminar series being organized by graduate students. These seminars will be presented live around the world and will provide a unique opportunity for graduate students from all countries to find colleagues doing similar research in other countries and to form new partnerships.



Students at the Undergraduate Summer School in Nanjing, June 2018



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II-ES.COM





IIES Director Doug Evans (centre) with students in Edinburgh July 2018

In July this year, I flew to Edinburgh full of excitement to meet fellow researchers from the fields of environmental science, policy and planning at the 4th Annual IIES Science and Policy Workshop. From attending previous IIES-hosted events, I knew that these bring together passionate experts from various backgrounds and career levels, focusing on international collaboration and interdisciplinary exchange.

This three-day workshop started off with an ice breaker event at a Scottish pub to meet everyone and make first connections, followed by two days of scientific program, and wrapped up by a tasting of traditional Scottish whiskeys – which can be quite strong and smoky when aged for 32 years! The scientific program included plenary talks in the mornings followed by 14 thematic sessions, with speakers from all over Europe, North America and Asia.

It was great to listen to and connect with speakers from a variety of disciplines, ranging from analytical chemistry to ecotoxicology, environmental policy, sustainability sciences and many more.

Graduate students had the opportunity to present their projects in either a poster session or a 20-minute talk. I decided to share some recent results from a risk assessment of agriculture-related pesticide pollution in water and sediment of a protected, biodiverse wetland.

“A new perspective from experts of policy, social or indigenous sciences can be an eye-opening benefit to everyone’s research.”

I was happy to receive valuable feedback on this risk assessment project and other topics I am currently working on in the scope of my PhD. I enjoyed this opportunity to network and get input from the interdisciplinary audience, adding relevant ideas to my project that I would not have thought of myself. A new perspective from experts of policy, social or indigenous sciences can be an eye-opening benefit to everyone’s research - don’t miss out on this!

STUDENT PERSPECTIVE: 4TH ANNUAL WORKSHOP

We asked PhD candidate Verena Sesin (Trent University) to share her thoughts on the 4th Annual Workshop in Edinburgh.

by Verena Sesin

One highlight of the workshop was a special banquet dinner located in a fine art tapestry studio, where our host Margaret Graham of University of Edinburgh played live classical music with her band for us. In this unique atmosphere, I chatted with graduate students, professors and researchers from many different countries about their work, different cultures and views on science, and the possibility of future collaborations.

I can highly recommend this annual workshop and all other IIES activities to both students and faculty. This workshop stands out from all conferences I attended throughout my graduate journey due to its interdisciplinary audience and the casual atmosphere in which it was easy to network and connect with everyone. All in all, I had a wonderful short trip to Edinburgh with the perfect mix of learning about international environmental science and policy, and Scotland’s history. A huge thanks to our hosts at University of Edinburgh and of course the IIES for organizing this great workshop."



CHINA-UK LOW CARBON COLLEGE, SHANGHAI

by Ed Craig, Dean (Edinburgh) Low Carbon College, Shanghai Lingang.

The Low Carbon College (LCC) is a partnership formed between the new smart city of Shanghai Lingang, University of Edinburgh and Shanghai Jiao Tong University. Its aim is to accelerate and implement the exchange of low carbon talent, knowledge, technology and resources towards a zero-carbon future. The College focuses on four interlinked pillars of activity: Research; Teaching; Innovation and Executive Training and to openly seek partnerships with other academic institutions, cities and enterprises to expand the scale and effectiveness of its mission.

Its custom designed and built 30,000 sqM facility was launched in September 2018, this new major initiative is of particular relevance to the IIES as two of its founding partners are active members of the IIES.

The LCC partnership was 4 years in the making and launched its first postgraduate course offerings, taught exclusively in English in 2017, an MSc in Energy and an MSc in Environment. New courses in carbon management, finance and smart cities are under development but the real innovation is the engagement between Edinburgh and Shanghai Jiao Tong in the fulfilment of the 2.5-year postgraduate qualification. Students have the option to study their first year in Shanghai Lingang, accessing academic and industrial advisers, based at the LCC. In their second year, students will study in Edinburgh across a range of relevant topics before finishing their thesis in Shanghai. Students will gain two masters qualifications - one from SJTU and one from the University of Edinburgh, as well as experience working with industry and city authorities in both cities. The LCC is expected to have over 600 students by 2021 and a wide range of courses and opportunities available.

Based in the new and actively growing smart city of Shanghai Lingang, home to seven business and industrial free trade

zones and over 40,000 businesses, the LCC has forged a strong relationship with the local city and public authorities to support the ongoing growth of the new city. The LCC is creating a range of summer schools, executive training and innovation activities for launch in 2019 including, business ideation and acceleration support in partnership with the world’s largest low carbon innovation initiative - Climate KIC and adventure summer schools in partnership with Tongji University (Shanghai). Our new lab building will open in early 2019 allowing world class facilities for our 10 new research projects funded in 2018 to expand and develop meaningful research.

The Low Carbon College is open to offers of partnership and individuals seeking to develop their personal learning or enterprise journey. Generous bursaries are available to students seeking to explore the next stage of their career with us.

For further information contact Ed Craig at ed.craig@ed.ac.uk or visit <http://lcc.sjtu.edu.cn/En/Default> our existing website for further information.

DID YOU KNOW? THE IIES HAS AN INTERNATIONAL POST-DOC SUPPORT PROGRAM?

This year the IIES is pleased to support a new cooperation between post-doctoral fellows and partner universities, the IIES International Post-Doctoral Support Program.

The program facilitates post-doctoral fellows to work with collaborative groups from various IIES universities, each post-doc is supervised by two or more faculty from the coordinating universities. A portion of the year is spent at each of the participating institutions, where the post-docs gain international experience and foster cooperation between the partners. The participating universities include: Nanjing University, Chinese Academy of Sciences, University of Eastern Finland, Johns Hopkins University, Trent University and University of Wisconsin-Madison.

IN THE NEWS IIES DIRECTOR VISITS CHINA-UK LCC LAUNCH

Last month IIES Director Douglas Evans attended the launch of the first Low Carbon College in China. The College is a joint initiative between two IIES member universities, the University of Edinburgh and Shanghai Jiao tong University.

The college is located in the low carbon city of Lingang, south of Shanghai. Its unique program offers two Master degrees from these highly ranked universities and will only take two and a half years to complete. The program allows students to complete one year in Shanghai and one year in Edinburgh, offering a diverse and well-rounded education in the low carbon fields. The final half year will be completed at Shanghai Jiao tong.

ENVIRONMENTAL & HUMAN HEALTH RISK ASSESSMENT E-COURSE

COMMON CONCERNS ABOUT OUR ONLINE COURSES

Q: How long the lectures will run?

A: Typically, the lectures will run between 40-45 mins and are followed by a Q&A session.

Q: How I can connect to the Zoom platform?

A: You can join from PC, Mac, iOS or Android using the link: <https://trentu.zoom.us/j/352347342>. The link is permanent so you can access it at anytime to test and get familiar with the interface. Please have your microphone and webcam connected prior to clicking on the link.

Q: What are the learning objectives for each topic session?

A: The primary mission of the Institute is to support academic and research enterprises in the areas of environmental science, environmental management, and sustainability studies. Therefore, we support the exchange of highly qualified personnel (HQP = faculty, postdoctoral fellows and students) among the member institutions and to foster truly international collaborative research and policy development.

Q: How about the audience?

A: The IIES lecture series has a diverse international audience of many different backgrounds (e.g., Professors, researchers, grad/undergrad students). The lectures are recorded live, and uploaded on the IIES website and Youtube channel.

Q: Should I avoid using videos (online or from local computer)? How will sounds be shared? Will I need special IT equipment?

A: Please feel free to use a range of media materials. In the Zoom platform, you could share your local screen, locally running software (media player) or local browser to the audience. You will need to have a microphone and camera connected before entering the Zoom conference.

For additional technical assistance, please contact Huy Dang (huydang@trentu.ca).



Trent University student, Verena Sesin, presenting her research at the 4th Annual Workshop.



The Bach Ensemble of Edinburgh entertain guests at Dovecot Studios, Edinburgh.



4th ANNUAL IIES SCIENCE AND POLICY WORKSHOP
EDINBURGH, SCOTLAND

WORKSHOP PROGRAMME
JULY 1-3, 2018

4th Annual IIES Science and Policy Workshop Programme cover.