

Postgraduate Students Seminar

“Environmental Challenges in a Context of Climate Change Future”

January 15th – 16th, 2013

Mr Hervé Suty

Senior Vice President of Veolia Environnement Research and Innovation

Mr Antoine Mussillon

Managing Director of Veolia Water South China Limited

Dr François Vince

Manager of Veolia Environnement Research & Innovation Asia

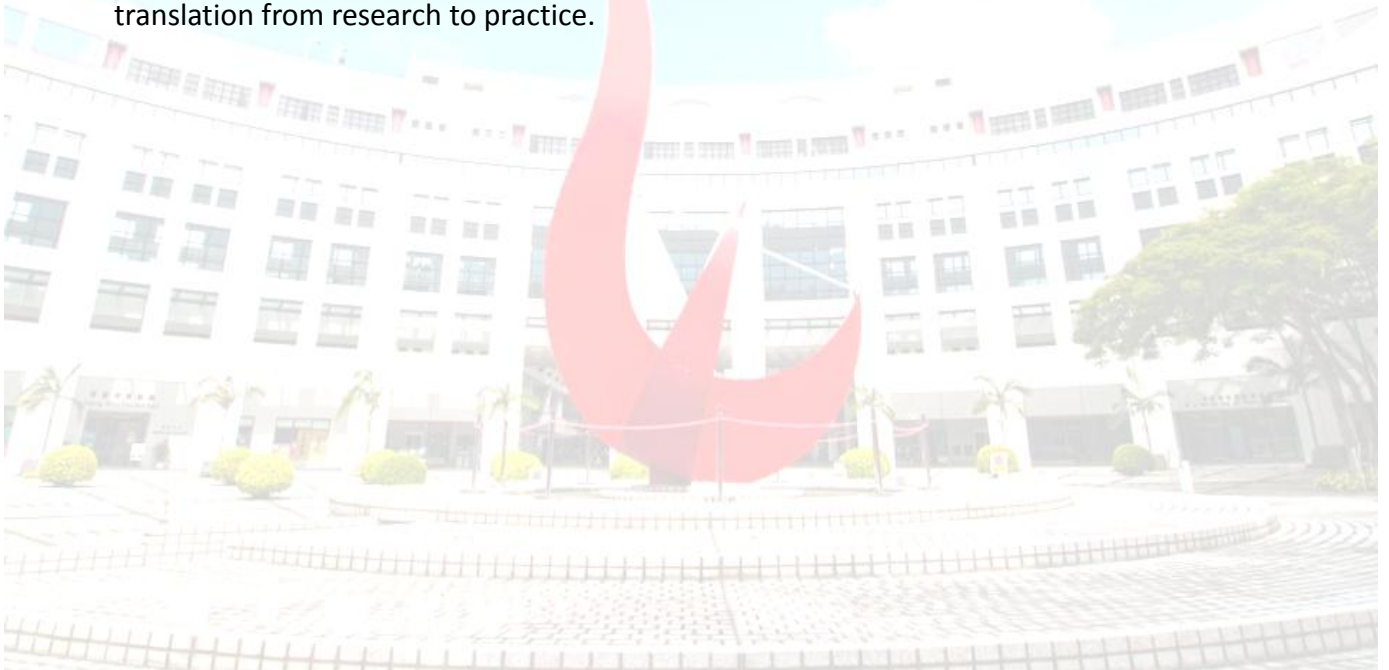
Hosted by the Division of Environment



香港科技大學
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

Objectives of the Seminar

The seminar aims to provide postgraduate students with scientific as well as practical and business viewpoints on the environmental challenges from global climate change. The talks will emphasize on the role of academic, institutional and industrial research in advancing scientific knowledge and engineering solutions for climate change adaptation, and how industry and policy-makers can partner to implement these solutions. The current and future societal needs in face of accelerating resource depletion and rapid environmental degradation will be important focus of the discussion. The postgraduate students will benefit from the inter-disciplinary nature of the seminar and a rare insight into the workings of a global environmental company and how it is addressing the issue of climate change and climate change adaptation. The postgraduate students will be able to discuss their research with top environmental specialist on practical aspects of translation from research to practice.



Program Schedule

Tuesday 15th January 2013 (venue : LT-H, 1/F, near lift 27)

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| 14:00 - 14:15 | Prof. Chak Chan, Head of Division of Environment
<i>Welcome address</i> |
| 14:15 - 15:00 | Mr Antoine Mussillon
<i>Protecting Hong Kong's Environmental Resources</i> |
| 15:00 - 15:45 | Mr Hervé Suty
<i>Environmental Challenges Posed by Climate Change</i> |
| 15:45 - 16:15 | Coffee break |
| 16:15 - 18:30 | Roundtable discussions |

Wednesday 16th January 2013 (venue : room 7336, 7/F, lift 13-15)

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| 09:00 - 09:30 | Dr François Vince
<i>State-of-the-Art in Environmental Research and Development in China</i> |
| 09:30 - 12:00 | Discussions |
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About the Speakers

Veolia Environnement is the world leading company in environmental services. Veolia Environnement offers its clients - local public authorities and industrial companies - expertise in four complementary segments: water cycle management, waste management and resource recovery, energy management, passenger transportation and mobility services.



Antoine MUSSILLON

Mr Mussillon holds a MSc degree in water management of the University Joseph Fourier of Grenoble, France. He first joined the SAUR group as Operation Engineer in 2003 and was in charge of the implementation of operational improvements of water and sewage networks. In 2007, he became Branch Manager in charge of the operation of the whole water and sewage services for municipal clients. He joined the Veolia Water group in 2008 as a Project Manager to provide support to the south china region business development teams in all fields relating to water and wastewater and was in charge of bids management. He is now Managing Director for Hong Kong & Macau. He is responsible for the operation and business development of all Veolia Water activities in these regions.



Hervé SUTY

Mr Suty is actually Senior Vice President Research and Innovation for Veolia Environment. He is a chemical engineer with a master degree in spectrochemistry from the University of Paris VI. He worked 17 years for a chemical company in R&D developing plastics and later chemicals for the water treatment and the Pulp and paper industries. He joined Anjou Recherche, the previous water research centre of Veolia, as head of the drinking water and membrane technology department in 2002. He became the General Manager of the research centre in 2004 and developed the research activity of the group in the water sector until 2009. In 2009, he became Director of the research centres of Veolia Environnement covering all the sectors of expertise including Biology and biotechnologies, process engineering, energy and processes, sanitary and environmental risk management, material and technologies, modelling monitoring and information technologies, analysis. In June 2012, he was appointed as Senior Vice president Research and Innovation of Veolia Environnement. He is board member of the Global Water Research Coalition and associate member of IWA.



François VINCE

Dr François Vince has coordinated the R&D activities of Veolia Environnement in Asia since 2010. He previously worked for 6 years on water treatment energy efficiency at Veolia Environnement Recherche & Innovation, Veolia Environnement R&D division. He graduated from Ecole Polytechnique and holds a Master Degree on water treatment from Ecole Nationale des Ponts et Chaussées (France). He obtained a PhD degree in energetics from Ecole Polytechnique Fédérale de Lausanne (Switzerland).

Abstracts

Protecting Hong Kong's Environmental Resources

Antoine Mussillon, Managing Director of Veolia Water South China Ltd

Veolia Environnement goal is to set the benchmark for sustainable development by designing tailored solutions that combine economic efficiency with control over environmental impacts, thereby helping to combat climate change, save natural resources and preserve ecosystems. Veolia Environnement activities in China and in Hong Kong will be presented, with a focus on a recent project to build and operate Hong Kong first sludge incineration plant, a unique solution which allows to protect soil and water resources while recovering energy.

Environmental Challenges Posed by Climate Change

Hervé Suty, Senior Vice President of Veolia Environnement Research and Innovation

Rapid urbanization, accelerating population growth and increasing scarcity of resources have an enormous negative impact on our environment. This is further aggravated by global climate change. Expertise and technological capabilities are important attributes that allow individual and companies to play a unique and leading role in addressing the environment of tomorrow and attaining a sustainable business paradigm. It is important that government, institution and industry form a partnership that foster innovative solution that are also practical, effective and cost-accessible. The major focus areas of Veolia Environnement involve intelligent energy buildings, smart grids, water-recycling, new water technology, treatment of emergent pollutants, and development of eco-neighborhoods and bioresources.

State-of-the-Art in Environmental Research and Development in China

Francois Vince, Manager of Veolia Environnement Research and Innovation Asia

Environment protection and sustainable development are important to China's future. The Tsinghua University-Veolia Environnement Joint Research Center for Advanced Environmental Technology was a platform for research, translation, development and implementation of environmental innovation. A cross-section of the research activity at the Center and a state-of-the-art survey of the current and future directions of environmental research priorities in China and Asia will be presented.