ENVIRONMENTAL ENGINEERING AND MANAGEMENT
School of Environment, Resources and Development
Asian Institute of Technology

Dear Faculty, Staff and Students,

You are cordially invited to special lectures by delegates from the University of Glasgow, UK, leaded by Prof. William Sloan, Professor of Environmental Engineering (Infrastructure and Environment) on the following topics:

- ***"The role of theoretical ecology in designing decentralised water technologies"*** by Prof. William Sloan
- ***"The WASTEBOT: a robot for optimising microbial communities"*** by Dr. Stephanie Connelly
- ***"Microfluidics to optimise key aspects of anaerobic digestion"*** Dr. Ciara Keating

It will be held as follow:

Date: Wednesday, 26 October 2016

Time: 9.30-11.00 hrs.

Room: E222, Academic Building

About Prof. William Sloan:

Prof. William Sloan's research interests are in mathematical modelling of both biological and physical environmental systems. His first degree was in Mathematics (Heriot-Watt) followed by an MSc in Physical Oceanography (UCNW) then several years in industry with engineering consultancies before undertaking a PhD in Civil Engineering (University of Newcastle upon Tyne). He defended his thesis on macroscale hydrological modelling in November 1999 and was employed as a lecturer in Civil Engineering at Glasgow University the same year. He was promoted to Professor of Environmental Engineering in 2007 and currently holds an EPSRC Advanced Research Fellowship.

Recently his research has concentrated on modeling the ecology of engineered and natural microbial communities. In particular on interpreting the output from new molecular methods for characterising microbial communities in situ to estimate biodiversity and describe community assembly. His theoretical research has found wide practical application in wastewater treatment, microbial fuel cells and biofilm modeling. In addition, Prof. Sloan maintains an interest in hydrological modelling and water resources and has published on a wide variety of topics from macroscale hydrological modelling, through radionuclide transport in groundwater to modelling the evolution of snow cover in the Austrian Alps and water quality in the Himalayas.

All interested are welcome to these special lectures. EEM students are expected to attend.