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Speaker:

Prof. Milan Vujanovic

Date :

**8 December 2017,
Friday**

Time :

7:00-8:00 p.m.

Venue :

**Room N001, Block N
The Hong Kong
Polytechnic University**

FREE Admission

All are

Welcome!



BSE Seminar: The Impact of Climate Change on Energy Systems

Abstract

The climate change is one of the major challenges today and one of the biggest threat of our time. There are numerous international agreements established in order to address these problems, and the ultimate objective of these agreements is to stabilize greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the global climate system. The combustion of fossil fuels such as coal, oil and gas, in order to meet the demands of society for energy, releases large quantities greenhouse gases and other pollutants into the environment. New and more stringent regulations and mitigation goals are expected within the next years where sustainable energy planning will no doubt focus on the new clean and efficient renewable energy systems, which will create environmental benefits through reduced emissions of greenhouse gases and air pollutants, reducing costs and increasing competition for businesses and welfare for consumers. The latest scientific investigations indicate that substantial and joint global action is required to reduce carbon dioxide emissions. Meaning the longer we wait to address this issue, the more difficult, technologically challenging and expensive it becomes. Therefore, it is very important to promote climate changes awareness and accelerated technological change toward a carbon-free future at all levels.

About the Speaker

Dr. Vujanović is teamleader of CFD Multiphase Flow Research Group of the Power Engineering and Energy Management Chair at Department of Energy, Power Engineering and Environment, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb. His research is in the areas of modelling and simulation of multiphase flows and pollution processes, and in the areas of sustainable energy, environmental protection and climate change. He also has position as professor at University of Maribor, Slovenia at the Institute for Power, Process and Environmental Engineering.



He has over 100 publications in Scientific Journals, Books and International Conferences Proceedings to his credit. He is currently leader of 2 projects that are funded by Croatian Scientific Foundation and few projects that are funded by industrial partners. He is also involved as senior researcher on 4 international projects that are funded by European Union, where 3 of them are EU Horizon 2020 projects and one EU Interreg Med project. Prof. Vujanović is a consultant to many industries and to several public authorities. He is a member of the Centre for Sustainable Development of Energy, Water and Environment Systems, member of the board of the Combustion Institute, and member of the European Research Community on Flow, Turbulence and Combustion.

Enrollment

Online enrollment : Click "[On-line registration](#)"

Enquiries : Please contact Mr. Samuel Ng

Tel : 3400 3880, e-mail : ly.ng@polyu.edu.hk

Registration Fee : **Free of charge**

Programme Schedule

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6:30 - 7:00 pm Registration

7:00 - 7:05 pm Welcome / Introduction by Dr. LU Lin, Vivien

7:05 - 7:50 pm Talk by Prof. Milan Vujanovic

7:50 - 8:00 pm Q&A Session