**Seminar of Keynote Speaker**

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| **Topic:** | **Technology and Policy Options for a Low-Emission Energy System in Canada** |
| **Speaker:** | **Keith W. Hipel,**  **(Professor of Systems Design Engineering Department at the University of Waterloo)** |
| **Position:** | **加拿大皇家社会科学院前任主席**  **国际系统工程协会院士**  **加拿大工程院院士**  **美国工程院外籍院士** |
| **Research Area:** | **Conflict Resolution, Multiple Criteria Decision Analysis, Time Series Analysis and Other Decision-Making Methodologies** |
| **Time：** | **14:00-15:00 , March 15, 2016** |
| **Venue：** | **College of Economics and Management Building A0405** |
| **Host：** | **Institute of Intelligent Decision and Risk Analysis** |

**Abstract：**

**A synopsis is presented on the key findings of the Council of Canadian Academies’ Expert Panel Report on energy use and climate change, which was released in late October of 2015. The Panel’s report provides an overview of Canada’s energy system, an analysis of different energy sources and technologies, and an exploration of the public policies available to support a shift toward low-emission energy sources and technologies. The Panel acknowledged that the technologies needed for moving toward a low-emission energy system and the policies required for promoting the use of those technologies, already exist, are well-understood and are constantly improving. Optimal strategies and policies for advancing reductions in greenhouse gas emissions will need to be adaptive by evolving as necessary in response to emission trends, new technological developments, and other social, economic, and political changes. They will also benefit from system level principles of resilience, sustainability, fairness, and integration across jurisdictions and disciplines. The report constitutes an indispensable resource for private sector decision-makers, different levels of government, and the public as they seek to better understand energy use and the options available to combat climate change.**