**Seminar of Keynote Speaker**

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| **Topic:** | **Water Resources Management in a Changing Environment** |
| **Speaker:** | **Huimin Wang**  **(Professor of Business School at Hohai University)** |
| **Position:** | **中国软科学研究协会执行理事**  **中国管理科学与工程协会执行理事**  **生产与运作管理协会执行委员会成员**  **Water Science & Technology, Lowland Technology International等期刊编委会成员** |
| **Research Area:** | **System Engineering, Water Resource Management, Flood & Drought Risk Management** |
| **Time：** | **16:30-17:10 , March 15, 2016** |
| **Venue：** | **College of Economics and Management Building A0405** |
| **Host：** | **Institute of Intelligent Decision and Risk Analysis** |

**Abstract：**

**Water resource management in changing environments has become a hot topic in the current research. (i) Water resources adaptive allocation under uncertain conditions. Based on the analysis of the demand of water resources conflict management, we focus on the behavior and response mechanism of heterogeneous agents, and the management rules and policy system of water resource negotiation. (ii) Water pollution control and water ecological civilization. One of our researches is the water pollution market-oriented management system under the condition of market economy. The other is the water service value measurement mechanism under the multi-scale stochastic coupling, and the implementation path of water services price value optimization mechanism and steady management, based on the analysis of the characteristics of natural-social supply and demand double random coupling. (iii) Big data-driven early warning and risk management of flood and drought disaster: Based on the analysis of the flood and drought risk formation mechanism natural under the joint action of environment and human society, we concentrate the urban flood disaster risk assessment method based on the smallest homogeneous space unit in the disaster system, and the 'Scenario-Response' adaptive strategies of flood and drought disaster risk control.**