大数据与人工智能讲座之一：认知计算与未来

AlphaGo 对李世乭的历史性围棋对决胜利揭示了人工智能将在不远的未来全面影响和改变我们的生活和工作方式。基于大数据分析的认知计算系统也正在尝试着在多个领域发挥巨大的潜力。IBM 研究中心的 Watson 系统 2011 年在知识抢答游戏 Jepardy！上击败了两位人类冠军。随后很多商业机构已经开始试用认知计算方法来改进效率。在医疗领域， Watson 团队也已经在着手实现自动化的精准医疗诊断和治疗。著名的 MD Anderson 和 Memorial Sloan Kettering 癌症医院都在用使用或与 IBM 联合开发认知计算诊疗系统。

不论是仍然在校的学生们还是已经走入职场的才俊们，或是怀揣梦想的创业者们，了解大数据和人工智能技术的发展现状对职业和事业的发展都十分必要。

为此，我们共同主办这个大数据和人工智能讲座系列，希望大家能从中受益。第一讲我们请 IBM Watson 的专家们来给我们讲解认知计算的方法和应用。

时间：4 月 10 日，星期日，下午 1PM-5PM

地点：Davis Auditorium, 412 The Schapiro Center for Engineering and Physical Science Research, Columbia University . Located on 530 West 120th Street, between Broadway and Amsterdam Ave.

(Take subway 1 line to 116th St., then walk to the place. You could refer to the map in this link: http://apam.columbia.edu/directions-davis-auditorium-cepsr)

主办单位：旅美科协大纽约分会，中国工程师学会大纽约分会, 天津大学（北洋大学）北美校友会，交通大学美国校友会大纽约分会

分享嘉宾:

Dr. Bowen Zhou: Dr. Zhou is currently a Program Director at IBM's Watson Group, T. J. Watson Research Center. He build and lead the Statistical Learning and Discovery (SLAD) team for the IBM Watson Group/Research. His team is responsible to extend and transform IBM's Deep Question Answering for new domains and applications, to enrich the end-to-end pipeline and to develop new cutting-edge technologies, components, and functionalities that leverage large-scale and deep statistical learning techniques.

Dr. James Fan: Dr. Fan is Founder and CEO of Switi, an Artificial Intelligence technology startup focused on the application of bleeding edge natural language processing, multi-media information extraction and question answering on large heterogeneous data. Previously, he was a Research Staff Member at IBM Research where he co-invented the Watson Jeopardy! system. James won the AAAI Feigenbaum Prize with the IBM Watson Team, and he has 7 patents with half dozen more pending.

Dr. Ying Li: Dr. Li is a research staff member with the Consumer Modeling Group in the Department of Industries and Solutions in IBM's T. J. Watson Research Center.

Her research interests lie in: content-based image processing, analysis and retrieval; video content segmentation, indexing and annotation; multimedia applications; e-learning; data mining, pattern analysis and computer vision, service operations, management and analytics, consumer modeling and computational creativity.

Dr. Sabrina Pei-yun Hsueh: Dr. Hsueh is Healthcare (Wellness) Analytics and Service Design Lead in IBM's T. J. Watson Research Center. Her current research focuses is on innovative approaches of computing personalization and incorporating personalization analytics into service design. She is involved in the development of an evidence-based wellness management platform in a cloud computing environment. The platform provides an API for healthcare applications to (i) integrate information from heterogeneous data source (Sense), (ii) draw predictions by applying or extending models in a repository (Predict), and (iii) trigger proper responses (Respond). The development side of goal is to enable any independent software vendor (ISV) to use the API and the Sense-Predict-Respond framework to implement their services and exchange information with 3rd party applications.