学术报告会

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地点：电院群楼2-406会议室

Introduction to our recent research: deep learning methods with application

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Abstract:

In this presentation, we shall give a brief introduction of a few recently started deep learning projects using CNNs and RNNs with some results. The briefly description includes several examples in deep learning of brain images for Alzheimer's disease, for brain tumors (gliomas), deep learning of big power system data, of human actions in videos, for classification of traffic signs, and for predicting football matches/web brower retention.

Biography:

Irene Gu is a Professor in the Signal processing research group. Irene Gu's main research areas include: image analysis and computer vision, object classification and machine learning, and signal processing techniques for power engineering applications.

Her current main research activities include: visual object tracking with applications to video surveillance and vehicle/traffic safety; object activity analysis and recognition with applications to elderly care and office environments; signal processing with application to diagnosis of underlying causes of power system disturbances.

瑞典国家科技委员会成员。Session Chair (EO/IR III) in Detection and Remediation Technologies for Mines and Minelike Targets VI, SPIE AeroSense Conference, 16-20 April, 2001, Orlando, Florida, USA. Session Chair, in IEEE International Conf. on Multimedia and Expo (ICME 2006), 9-12 July, 2006, Toronto,Canada. Program Co-chair, EUDEM2-SCOT 2003 Conference (International Conference on Requirements and Technologies for the Detection, Removal and Neutralization of Landmines and UXO), 15-18 Sept.2003, Brussels, Belgium. 10 多次国际学术会议的技术程序委员会成员。