**IntelliGame Lab组会日志**

**时间：**2022年03月31日

**地点：**创新中心B-318

**主讲人：**黄和金

**记录人：**袁伟民

**组会内容摘要：**

1、Increasing concern for the environment has led to governments and companies pushing for renewable power generation. The share of wind power for the supply of electricity has been increasing during the last two decades. Increased penetration levels of intermittent power sources like wind power became a challenge for the power companies. Therefore, the need to make accurate forecasts for wind power generation has become a very critical issue for the power system operators. This paper presents a novel approach to forecasting 1 to 24 hours ahead wind power using Long Short-Term Memory based Recurrent Neural Network (LSTM-RNN). The model is based on knowledge from the data, that both weather and wind power have short-term temporal dependencies. The proposed model is implemented using historical generated wind power and Numerical Weather Prediction (NWP) data for Sotavento, a wind farm in Spain. Input parameters from the NWP data are selected by performing a sensitivity analysis for variable selection technique..

**重要事务进展：**

1. KDD比赛，三组分别推进
2. 电网基金本子已经分配任务（主要负责人：洪峰）
3. 医工结合，下周要做把不同表型扩展，研究不同位点影响，选取高权重的位点进行预测
4. Magazine（4.10，负责人：王虓一）；
5. 论文4月中旬完成修改（黄承浩）