

Postdoctoral Researcher – NLP and Conversational AI Technologies for Digital Characters

Applications are invited for a Postdoctoral Researcher to undertake research in Natural Language Processing (NLP) and conversational AI. If you have rich experience on NLP and related developments, it will be a great opportunity for you.

AI and machine learning has been used for natural language understanding and generation for many years, which has reshaped the technology landscape. Continuous meaningful conversation generation brings huge challenges which require the understanding of the dynamic context to keep the conversation flowing. In the long-term, AI driven devices with sophisticated network structures and sensors will grow continuous learning ability to make such devices versatile and adoptive for natural conversations.

You will be joining a research project called *The Intelligent Virtual Personal Assistant* (Intel-PA). This project consists of three landmark components enabling Intel-PA to perform human-like communications with real humans. These are: sensible conversations; appropriate body gestures and facial expressions; and ability to detect the motion and emotions of the human user. By performing such human-like functions, Intel-PA will be able to play a huge role in assisting the mankind in countless applications, such as healthcare, training, education, marketing and decision making, to name but a few.

Currently the Intel-PA team consists of several full-time PhD students and a group of academic supervisors. Your role is to work with other team members to develop innovative algorithms and techniques for sensible conversations.