**Huiyu Zhou, School of Computing and Mathematical Sciences (02.06.22)**

My name is Huiyu Zhou, I’m Professor of Machine Learning at the School of Computing and Mathematical Sciences. My research team and myself are both based on Ken Edwards building on the main campus.

My research interest is to focus on the developments of novel artificial intelligence and machine learning algorithms, and these AI and machine learning algorithms, they enable a computer to understand and interpret images and signals. To do that, what we have been working on in the last few years’ time – I’m going to highlight a few projects.

The first one is mouse behaviour [an assisted project?] and we worked closely with Biological Sciences, and this project was supported by the EPSRC. What we actually did was, we tried to develop a computer system, and this computer system is used to monitor the behaviour of mice with Parkinson’s disease, and the reason why we did that is because we wanted to detect the early symptoms of Parkinson’s disease, so that later on we can deliver the support and the care for the patients and animals.

The second project I’d like to highlight here is Dickens’ Code. I closely worked with the Department of English, and this project was supported by the AHRC. We want to develop a new computer system to decipher the shorthand used in the reporting, letters and notetaking etc. that was developed by Charles Dickens 100 or 200 years ago. For this project I worked with Dr. Claire Wood.

When we work with other people, we find that this is quite interesting – this is my personal experience. I’m keen to face and deal with national challenges. For example, new treatments for diseases, or understanding the universe, and so on and so forth. I think that working with other disciplines is the first step to explore solutions and [commune on the] efforts, and I would like to strongly advise researchers and students to think about incorporating a new effective span/line of thinking, because there’s going to be a huge reward to their research, work, and life, and experiences.

What I do every single day is, I take around 30-60 minutes to walk around Victoria Park. This is one of my favourite places to travel, because when I start walking around Victoria Park I can pay my respects to the University and its history. In the meantime, I can think about how to formulate new research ideas and then how to come up with some solutions when I’m walking around, if you see what I’m thinking. It’s a big place, so it takes around 30 minutes to walk around – once, one round, and then [the second] always gives me some creative thinking – what am I going to do?