| Name of Traveller: Guanfeng Liu | Category: ECA/New Staff Travel |

**Categories:** ECA/New Staff, International Collaboration, Strategic Initiative, Teaching Innovation, Professional Staff Development - Provide a brief report of one A4 page, outlining the outcomes of the travel. The report, due 4 weeks after conclusion of the travel, should be suitable for publication to Faculty/Department/School newsletters, websites, etc.

I would like to thank the Faculty of Science and Engineering for the received funding to attend the 28th International Joint Conference on Artificial Intelligence (IJCAI) in Macao, China, during 10-16, August 2019. IJCAI is a leading conference in Artificial Intelligence, which is ranked as CORE A* (http://portal.core.edu.au/conf-ranks/1313/). Many world-leading scholars in AI and data science attended the conferences, such as Chair Prof. Qiang Yang (Fellow of ACM, IEEE, AAAI), Prof. Giuseppe de Giacomo (Fellow of AAAI, ACM and EurAI), Prof. Leslie Kaelbling (Fellow of AAAI), and Prof. Zhihua Zhou (Fellow of AAAI, ACM, AAAS, IEEE and IAPR), etc. They delivered the keynote speeches, and discussed some hot research topics and the future research directions of AI and data science in the conference. In addition to the scholars, many world-leading IT company attended the conference and provided industry talk during the industry day, such as Fujitsu, Alibaba, IBM and Microsoft, etc. They introduced the latest AI techniques in industry projects and the future direction of their AI products. My personal outcomes included presentation of my current research and furthering collaborations with international researchers.

Research presentations:
In the conference, I have three papers accepted for both oral and poster presentations, which were well received and led to discussions regarding my research with other scholars and industries. They provided valuable suggestions and feedbacks, which gave me some interesting ideas to further improve the proposed methodologies. They are interested in the applications of my research, and I am planning to develop demo systems to further demo my research work for other scholars and industries.

Furthering collaborations:
During the conference I planned meetings with researchers that I am currently planning collaborations with. I met with A/Prof. Xiangliang Zhang from KAUST, Saudi Arabia, Prof. Pengpeng Zhao from Soochow University, China, and Prof. Defu Lian from USTC, China, regarding the joint external funding applications and PhD student applications. We talked about the opportunities and topics for external funding applications, including the collaborations with industries. In addition, we talked about the Cotutelle PhD program in MQ, and the joint PhD scholarship with both MQ and industries. Furthermore, I also met with some researchers from Australia, such as Dr. Shirui Pan from Monash University, and Prof. Longbing Cao from UTS. We talked about the collaborations of ARC DP and ARC LP.

Signature: [Signature]  Date: 04/09/2019

Email the completed report to Meredith Lowe (meredith.lowe@mq.edu.au), FSE Operations Manager