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Astronomy and Airlines: Expanding our horizons with Newton and GCRF

Tuesday, 17 September 2019 13:45 (30 minutes)

Since 2017, my Thai collaborators (NARIT, MFU) and I have worked together on various Newton/GCRF-funded projects. The first of these projects focussed on using data from GOTO - a new wide-field, high-cadence optical astronomical survey - to expose Thai students and researchers to vast amounts of digital data. Initial projects focused on the development of Machine Learning algorithms to analyse GOTO data, but our work has since expanded to include data management and front-end development. As well as astronomy-related research, however, our team has also been using our expertise in data analysis and management to help businesses and organisations across Thailand via two GCRF-funded projects. In these projects, students work closely with businesses across a diverse range of sectors - from supermarkets and hotels to airlines and cloud-computing providers - to help solve their data-related problems while also acquiring technical skills that are truly relevant for Thailand's growing technical economy. In this presentation, I will discuss the work we have done so far across all our projects, and outline our plans for the future of our collaboration.

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