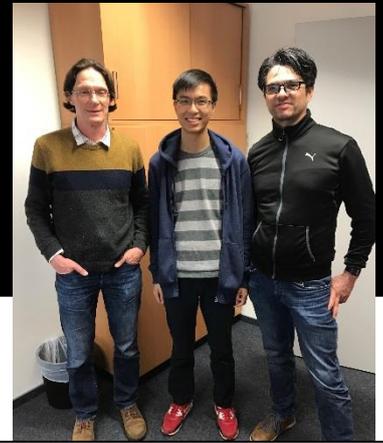# Tsz Yan Leung
Cohort 2016
University of Reading

Tsz Yan Leung, Centre, during research visit to Potsdam, Germany

Research project: The Role of Mesoscale Dynamics in Predictability

I'm Tsz Yan Adrian Leung of Cohort 2016, based at the University of Reading. Having grown up in Hong Kong, I moved to London for my first degree in mathematics at Imperial College. From there I learnt about the MPECDT through the MPE Exhibition 2015 and was fascinated by its scope of interdisciplinary research between maths and many aspects of our planet. With a solid background in maths and a strong interest in weather, and knowing that Reading has one of the best departments in meteorology in the world, I applied to the CDT and was very fortunate to be offered a place at Reading as an overseas student.

Compared to ordinary PhDs, the cohort structure of the CDT adds another dimension to my research community. Thanks to the Kick-off Camp for being an excellent way to bond, we remain good friends even though we carry on with different research projects. Through the MPE Wednesdays, we are never separated by the physical distance between Imperial and Reading. The Wednesdays are in fact also a perfect opportunity to catch up with students in the other cohorts!

Now I work with Prof. Ted Shepherd (and two other co-supervisors, one of whom from the ECMWF) on some theoretical aspects of weather predictability — to be precise — how dynamics of the mesoscale (the scale of convective systems) has an impact on the predictability of weather. It's only after joining the CDT that I realised how unique we are as both mathematicians and weather scientists, and as people who can easily talk to both research communities. The uniqueness of the research makes it an exciting adventure that motivates me to carry on.