Pan Asia Number Theory Conference 2018

Gan Wee Teck

The Pan Asia Number Theory (PANT) Conference 2018 was held during the week of June 25–29 at the Institute for Mathematical Sciences at the National University of Singapore. The PANT conference was initiated by Professor John Coates and a group of established number theorists who were either based in Asia or of Asian origin. The goal of the conference is to showcase exciting recent developments in number theory and related subjects, especially those occurring in the greater Asian regions or featuring works by mathematicians of Asian descent. It also aims to provide a platform for Asian number theorists to interact and collaborate with each other, especially those of the younger generation.

PANT had been an annual week-long conference whose venue rotated among several countries. The previous conference was held at the Academia Sinica, Taiwan, in 2016 (so there was a gap year in 2017). This is the first time that Singapore plays host to PANT, and the members of the scientific and local organising committee are shown below:

Local Organizing Committee
- **Wee Teck Gan** (National University of Singapore)
- **Lei Zhang** (National University of Singapore)

Scientific Committee
- **YoungJu Choie** (Pohang University of Science and Technology)
- **John Coates** (University of Cambridge) (Chair)
- **Tamotsu Ikeda** (Kyoto University)
- **Kazuya Kato** (The University of Chicago)
- **Minhyong Kim** (University of Oxford)
- **Masato Kurihara** (Keio University)
- **Wen-Ching Winnie Li** (Penn State University)
- **Jianya Liu** (Shandong University)
- **Bao Chau Ngo** (The University of Chicago)
- **Dipendra Prasad** (Tata Institute of Fundamental Research)
- **Sujatha Ramdorai** (University of British Columbia)
- Ye Tian (Chinese Academy of Sciences)

PANT 2018 featured 22 talks by speakers from 10 countries, beginning with an expository talk by Professor Go Yamashita of Kyoto University on "A Proof of the ABC Conjecture after Mochizuki". One of the highlights of the conference was a talk on the last day by Professor Jean-Pierre Serre of College de France, who spoke about "Logarithmic Capacity and Equidistribution of Algebraic Integers". Indeed, on the Friday before PANT began, Professor Serre gave the Oppenheim Lecture at the National University of Singapore (an annual distinguished lecture series at NUS Math), speaking on "Number of points modulo p when p tends to infinity".

The next PANT conference is planned for June 2020 in Kyoto. Hope to see you there!