

| | Day 1 Jul 16, 2018 (Monday) | Day 2 Jul 17, 2018 (Tuesday) | Day 3 Jul 18, 2018 (Wednesday) | Day 4 Jul 20, 2018 (Friday) | Day 5 Jul 23, 2018 (Monday) |
|---------------|---|---|---|--|--|
| 10:00 - 11:00 | 10:00 - 10:50 Hoffstein | 10:00 - 10:20 Ching 10:30 - 10:50 Jang | | | 10:00 - 10:50 Athreya |
| 11:00 - 12:00 | 11:05 - 11:55 Lee | 11:05 - 11:55 Kane | 11:00 - 11:50 Moy | | 11:05 - 11:55 Zhang |
| 12:00 - 13:00 | | | | | |
| 13:00 - 14:00 | | | | | |
| 14:00 - 15:00 | 14:00 - 14:50 Friedberg | 14:00 - 14:50 Friedberg | 14:00 - 14:50 Hoffstein | 14:00 - 14:50 Ono | 14:00 - 14:50 Xi |
| 15:00 - 16:00 | 15:05 - 15:25 Liu 15:40 - 16:00 Pujahari | | | 15:10 - 16:00 Ono | 15:05 - 15:25 Lau 15:30 - 15:50 Ng |
| 16:00 - 17:00 | | | | | 16:05 - 16:25 Ye |
| 17:00 - 18:00 | | | Frontiers of Mathematics Lecture# | | |

Venue: Room 210, 2/F, Run Run Shaw Building

Frontiers of Mathematics Lecture: [click here for the poster](#)

PROGRAM

July 16, 2018
Monday

Venue: Room 210, 2/F, Run Run Shaw Building

10:00 – 10:50 **Jeffrey Hoffstein**, Brown University
The distribution of modular symbols and a conjecture of Mazur, Rubin and Stein

11:05 – 11:55 **Min Lee**, University of Bristol
A conjectural extension of Hecke's converse theorem

Lunch

14:00 – 14:50 **Solomon Friedberg**, Boston College
Langlands functoriality, the converse theorem, and the Rankin-Selberg method

15:05 – 15:25 **Jingbo Liu**, The University of Hong Kong
On a Waring's problem for integral quadratic and hermitian forms

15:40 – 16:00 **Sudhir Pujahari**, The University of Hong Kong
Zeros of Dirichlet series attached to half-integral weight cusp forms

July 17, 2018
Tuesday

Venue: Room 210, 2/F, Run Run Shaw Building

- 10:00 – 10:20 **Tak-Wing Ching**, The University of Hong Kong
Lagrange Equation with Almost-prime Variables
- 10:30 – 10:50 **Min-Joo Jang**, The University of Hong Kong
Quantum modular forms and singular combinatorial series
- 11:05 – 11:55 **Ben Kane**, The University of Hong Kong
Central L-values of elliptic curves, Tunnell's Theorem, and locally harmonic Maass forms

Lunch

- 14:00 – 14:50 **Solomon Friedberg**, Boston College
An introduction to the Langland Program

July 18, 2018
Wednesday

Venue: Room 210, 2/F, Run Run Shaw Building

11:00 – 11:50 **Allen Moy**, Hong Kong University of Science and Technology
Morita equivalence of Peter-Weyl Iwahori algebras

Lunch

14:00 – 14:50 **Jeffrey Hoffstein**, Brown University
An introduction to the theory of multiple Dirichlet series

Venue: Lecture Theatre A, G/F, Chow Yei Ching Building

Frontiers of Mathematics Lecture

17:00 – 18:00 **Ken Ono**, Emory University
(Tea Reception *Why does Ramanujan, “The Man Who Knew Infinity”, matter?*
starts at 16:30)

July 20, 2018
Friday

Venue: Room 210, 2/F, Run Run Shaw Building

14:00 – 14:50 **Ken Ono**, Emory University
Polya's Program for the Riemann Hypothesis and Related Problems

15:10 – 16:00 **Ken Ono**, Emory University
Can't you just feel the Moonshine?

July 23, 2018
Monday

Venue: Room 210, 2/F, Run Run Shaw Building

10:00 – 10:50 **Jayadev Athreya**, University of Washington
Erdos-Szusz-Turan and homogeneous dynamics

11:05 – 11:55 **Xin Zhang**, The University of Illinois
Linear Forms on Fuchsian Groups

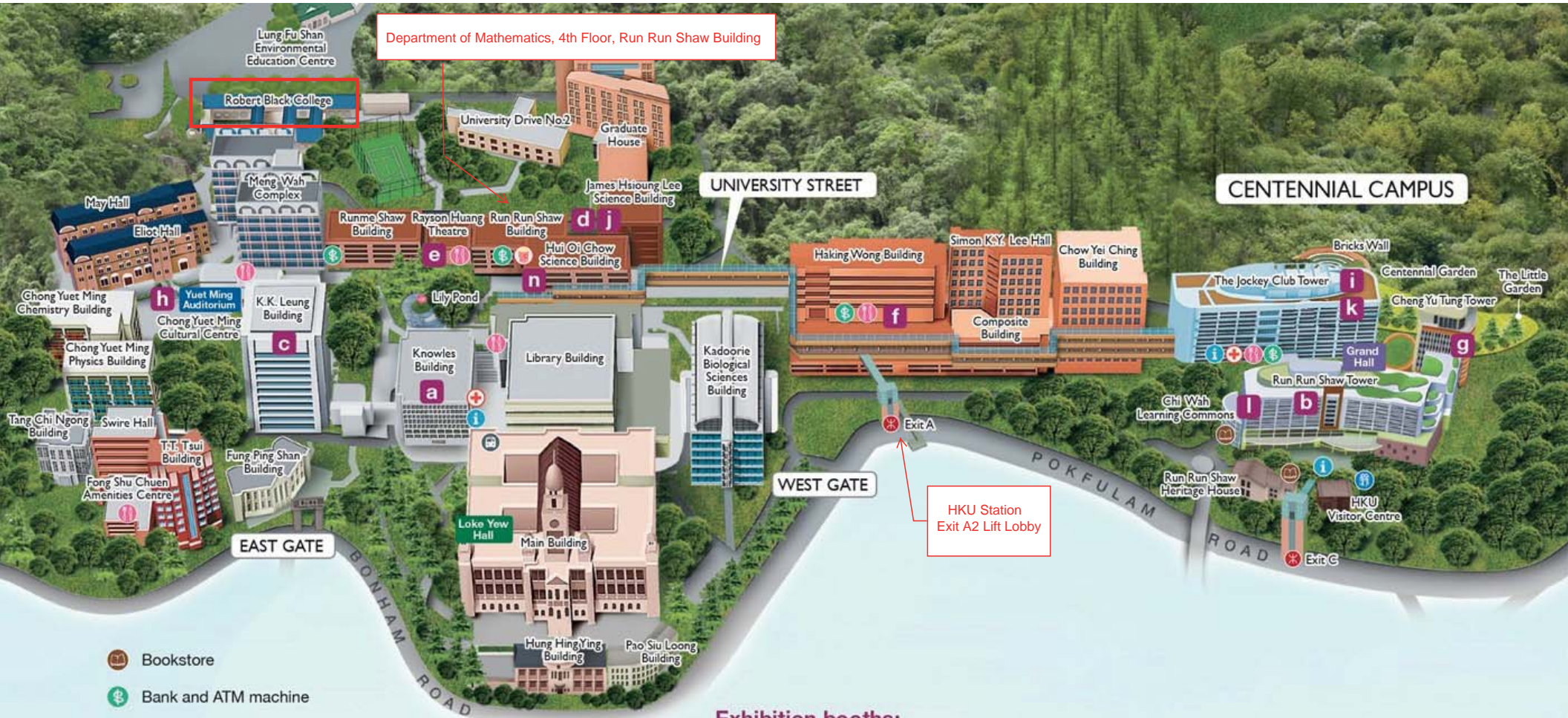
Lunch

14:00 – 14:50 **Ping Xi**, Xi'an Jiaotong University
Katz's problem on modular structures of Kloosterman sums

15:05 – 15:25 **Yuk-Kam Lau**, The University of Hong Kong
Hecke eigenvalues for $GL(n)$ Maass cusp forms

15:30 – 15:50 **Ming-Ho Ng**, The University of Hong Kong
Distribution laws of Hecke eigenvalues

16:05 – 16:25 **Dongxi Ye**, Sun Yat-Sen University
The Monster Denominator Formula, the Gross–Zagier CM Value Formula, and Their Extensions



Department of Mathematics, 4th Floor, Run Run Shaw Building

Robert Black College

CENTENNIAL CAMPUS

UNIVERSITY STREET

WEST GATE

EAST GATE

HKU Station
Exit A2 Lift Lobby

- Bookstore
- Bank and ATM machine
- HKU Visitor Centre and Gallery
- MTR HKU Station
- Restaurant / Canteen

- Loke Yew Hall
- Grand Hall, Lee Shau Kee Lecture Centre (LG/F)
- Yuet Ming Auditorium, Chong Yuet Ming Cultural Centre

Exhibition booths:

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|--|--|
| a Faculty of Architecture | h Faculty of Science |
| b Faculty of Arts | i Faculty of Social Sciences |
| c Faculty of Business and Economics Equal Opportunity Unit | j Centre of Development and Resources for Students (CEDARS) The Common Core General Education Unit Horizons Office International Affairs Office |
| d Faculty of Dentistry Li Ka Shing Faculty of Medicine | k HKU Souvenirs HKU Summer Institute for Secondary School Students |
| e Faculty of Education | l Information Technology Services |
| f Faculty of Engineering | |
| g Faculty of Law | |