

Aarhus Complex Geometry Workshop 2024

Schedule

Monday

9:15 Registration

9:30 **Tamás Darvas** (Maryland), *The trace operator of quasi-plurisubharmonic functions on compact Kähler manifolds.*

10:20 Coffee break

10:50 **Dennis Eriksson** (Chalmers University), *On some singularity invariants from analytic torsion.*

11:50 **Masafumi Hattori** (Kyoto), *Moduli space of K-stable Calabi-Yau fibrations and the positivity of CM line bundles.*

12:45 Lunch at Math Canteen

14:00 **Huayi Chen** (Westlake), *Arithmetic surface over a trivially valued field.*

14:50 Coffee break

15:20 **Yang Li** (MIT), *Calabi-Yau metrics in the intermediate complex structure limit (on-line).*

Tuesday

9:30 **Yanbo Fang** (Aarhus), *Arithmetic Hilbert-Samuel formula over a non-archimedean place.*

10:20 Coffee break

10:50 **Gerard Freixas i Montplet** (École Polytechnique), *On the Deligne program.*

11:50 **Yifan Chen** (Berkeley), *More Complete Calabi-Yau Metrics of Calabi Type.*

12:45 Lunch at Math Canteen

Free afternoon

Wednesday

9:30 **Robert Berman** (Chalmers), *Canonical heights, periods and the Hurwitz zeta function.*

10:20 Coffee break

10:50 **Harold Blum** (Utah), *Moduli of boundary polarized Calabi-Yau pairs.*

11:50 **Eiji Inoue** (Rikken), *Perelman entropy of Kählerian spacetime.*

12:45 Lunch at Math Canteen

14:00 **Yuji Odaka** (Kyoto), *Algebraic theories for limits of Calabi-Yau metrics (Aarhus Geometry Seminar).*

14:50 Coffee break

15:20 **Xuemiao Chen** (Waterloo), *On Vafa-Witten equations over Kähler manifolds (on-line).*

19:00 Conference dinner at *Havnær* restaurant,

Thursday

9:30 **Gergely Bérczi** (Aarhus), *Enumerative geometry through moduli of jets.*

10:20 Coffee break

10:50 **Tran Trung Nghiem** (Montpellier), *K-stable valuations and Calabi-Yau metrics on affine spherical varieties.*

11:50 **Rolf Andreasson** (Chalmers), *Sharp bounds on the height of arithmetic Fano varieties.*

12:45 Lunch at Math Canteen