

Programme · QGM Nielsen Retreat 2018

Tuesday 23 October · DNRF MEETING & ARRIVAL

- AARHUS
- 09:30 Meet in the QGM lounge and walk together to “Frandsensalen” (Langelandsgade 142)
10:00-11:30 DNRF meeting in 1430-233 (Frandsensalen)
11:30-12:30 Lunch in the MATH canteen
13:00-14:00 **Joshua Jackson** (Oxford) *Classifying unstable curves and sheaves* (Aud-D2)
14:30-15:30 **Yang Huang** (Uppsala) *Introduction to convex hypersurface theory in contact topology* (Aud-D2)
15:45 Meet in the Mathematics parking lot – outside the main entrance.
16:00 Bus departure to Sandbjerg
19:00 Arrival & dinner
20:00 Cheese & wine in the Library

Wednesday 24 October · SEMINARS, CAREER DAY & POSTER SESSION

- SANDBJERG
- 08:00-09:00 Breakfast
09:30-10:30 **Markus Upmeyer** (Oxford) *Canonical Orientations for the Moduli Space of G_2 -instantons*
10:45-11:45 **Gergely Bérczi** (AU) *Applications of non-reductive Geometric Invariant Theory*
12:00-13:00 Lunch
13:00-13:15 Group photo (outside) – Meeting point by the main entrance
13:15-15:30 *Career theme – How do we optimize the career possibilities for junior researchers*
Sample career paths after the PhD:
 - **Troels Bak Andersen** Senior Architect at Net Company A/S
 - **Jens-Jakob Kratmann Nissen** Senior Portfolio Manager at ATP
 - **Roberta Iseppi** EU Marie Curie fellowship
 - **Gabriele Rembado** ETH, ZürichGroup discussions and panel discussion
17:00-18:00 Poster session
18:30 Special dinner (*three course meal*)
21:00 Cheese & wine in the Library

Thursday 25 October · SEMINARS & POSTER SESSIONS

- 08:00-09:00 Breakfast
09:30-10:30 **Martin de Borbon** (AU) *Kähler-Einstein metrics with cone singularities along a divisor*
10:45-11:45 **Cristiano Spotti** (AU) *On moduli of K-stable Fano pairs*
12:00-13:00 Lunch
13:15-14:15 **Du Pei** (AU/Caltech) *4-Manifolds and Topological Modular Forms*
14:30-15:30 **Tobias Kildetoft** (AU) *How to spot highest weight categories*
15:45-16:45 **Nuno Romao** (Augsburg) *Vortices with toric targets and divisor braids*
17:00-18:00 Poster session
18:00 Dinner
20:00 Cheese & wine in the Library

Friday 26 October · SEMINARS

- 08:00-09:00 Breakfast - **Please check-out of your room and hand in the key before 9:30 am!**
09:30-10:30 **Lucas Branco** (MPIM, Bonn) *Higgs bundles and mirror symmetry - an example via isogenies*
10:45-11:45 **Roberta Iseppi** (AU) *The BV formalism in the framework of non-commutative Geometry; towards the general case*
12:00-13:00 Lunch
13:00-14:00 **Alexander Soibelman** (AU) *Quiver representations and vector bundles with singular connections on the projective line*
14:15-15:15 **Ingmar Saberi** (Heidelberg) *Nilpotence varieties*
15:30 Departure (common bus)