

## Schedule

Note that all talks will be held in Auditorium 2 in the HCØ building unless otherwise is stated.

### Monday schedule

| Time          | Event  |
|---------------|--|
| 08:15 - 09:00 | Registration   |
| 09:00 - 09:45 | Jacob Lurie<br><i>Lecture 1</i>  |
| 09:45 - 10:00 | Break  |
| 10:00 - 10:30 | Alexander Kupers<br><i>Bringing order to configuration spaces</i>                                |
| 10:30 - 11:00 | Coffee   |
| 11:00 - 11:30 | Rune Haugseng<br><i>Spectral Sequences for the Cohomology of Finite and Infinite Loop Spaces</i> |
| 11:30 - 11:45 | Break  |
| 11:45 - 12:15 | Vegard Fjellbo<br><i>Kan's normal subdivision and products of simplicial sets</i>                |
| 12:15 - 14:15 | Lunch  |
| 14:15 - 14:45 | Hicham Yamoul<br><i>The Rational Homotopy Type of Elliptic Spaces up to dimension 8</i>          |
| 14:45 - 15:00 | Break  |
| 15:00 - 15:30 | Thomas Wasserman<br><i>Topological Insulators and K-theory</i>                                   |
| 15:30 - 16:00 | Coffee   |
| 16:00 - 16:30 | Dylan Wilson<br><i>Cobordism, vector bundles, and group laws</i>                                 |
| 16:30 - 16:45 | Break  |
| 16:45 - 17:15 | Lennart Meier<br><i>Homotopy Theory of (Relative) Categories</i>                                 |
| 18:00 -       | Pizza and refreshments   |

## Tuesday schedule

| Time          | Event   |
|---------------|---|
| 09:00 - 09:45 | Jacob Lurie<br><i>Lecture 2</i>   |
| 9:45 - 10:00  | Break   |
| 10:00 - 10:30 | Goran Malic<br><i>Ramified coverings of the Riemann sphere and Galois Theory</i>  |
| 10:30 - 11:00 | Coffee  |
| 11:00 - 11:30 | Rasmus Bentmann (Aud. 2)<br><i><math>C^*</math>-algebras and module spectra</i>   |
|               | Emanuele Dotto (Aud. 3)<br><i>Homotopy theory of equivariant diagrams and equivariant calculus of functors</i>                    |
| 11:30 - 11:45 | Break   |
| 11:45 - 12:15 | Andrew Russhard (Aud. 2)<br><i>Power maps and <math>H</math>-maps on Lie Groups</i>   |
|               | Deborah Vicinsky (Aud. 3)<br><i>Derivatives of the identity functor and operads</i>   |
| 12:15 - 14:00 | Lunch   |
| 14:00 - 14:45 | Lars Hesselholt<br><i>Lecture 1</i>   |
| 14:45 - 15:00 | Break   |
| 15:00 - 15:30 | Felicia Tabing (Aud. 2)<br><i>String Homology</i>   |
|               | Markus Hausmann (Aud. 3)<br><i>The rank filtration of connective <math>K</math>-theory and global equivariant homotopy theory</i> |
| 15:30 - 16:00 | Coffee  |
| 16:00 - 16:30 | Daniela Egas Santander (Aud. 2)<br><i>Fat graphs as models of the open-closed cobordism category</i>                              |
|               | Mirjam Solberg (Aud. 3)<br><i>Iterated monoidal categories and iterated loop spaces</i>   |
| 16:30 - 16:45 | Break   |
| 16:45 - 17:15 | Ben Knudsen (Aud. 2)<br><i>Configuration spaces in characteristic zero</i>  |
|               | Agnes Beaudry (Aud. 3)<br><i>Cohomology : A Mirror of Homotopy</i>  |

## Wednesday Schedule

| <b>Time</b>   | <b>Event</b>  |
|---------------|---|
| 08:45 - 09:30 | Jacob Lurie<br><i>Lecture 3</i>   |
| 9:30 - 09:45  | Break   |
| 09:45 - 10:30 | Lars Hesselholt<br><i>Lecture 2</i>   |
| 10:30 - 11:00 | Coffee  |
| 11:00 - 11:30 | Federico Cantero (Aud. 2)<br><i>Homological stability for configuration spaces on closed background manifolds</i> |
|               | Aaron Mazel-Gee (Aud. 3)<br><i>Goerss–Hopkins obstruction theory for <math>\infty</math>-categories</i>           |
| 11:30 - 11:45 | Break   |
| 11:45 - 12:15 | Florian G ppl<br><i>An Introduction to Infinity-Operads and their connection to Manifold Calculus</i>             |
| 12:15 - 14:00 | Lunch   |
| 14:00 -       | Excursions  |

## Thursday Schedule

| Time          | Event   |
|---------------|---|
| 09:00 - 09:45 | Jacob Lurie<br><i>Lecture 4</i>   |
| 9:45 - 10:00  | Break   |
| 10:00 - 10:30 | Sonja Hohloch<br><i>Higher Morse moduli spaces and <math>n</math>-categories</i>                        |
| 10:30 - 11:00 | Coffee  |
| 11:00 - 11:30 | Neslihan Gügümcü<br><i>Constructing the Jones Polynomial from Kauffman's Bracket Polynomial</i>         |
| 11:30 - 11:45 | Break   |
| 11:45 - 12:15 | Henry Yi-Wei Chan<br><i>A walkthrough of THH/TC</i>   |
| 12:15 - 14:00 | Lunch   |
| 14:00 - 14:45 | Lars Hesselholt<br><i>Lecture 3</i>   |
| 14:45 - 15:00 | Break   |
| 15:00 - 15:30 | Abdoulkader Yacouba Barma (Aud. 2)<br><i>Cocyclic structure and space of Knots</i>                      |
|               | Cary Malkiewich (Aud. 3)<br><i>Coassembly in algebraic <math>K</math>-theory</i>                        |
| 15:30 - 16:00 | Coffee  |
| 16:00 - 16:30 | Antonio Alfieri (Aud. 2)<br><i>Knot Polynomials deriving from representations of braid groups</i>       |
|               | Mona Merling (Aud. 3)<br><i>Equivariant algebraic <math>K</math>-theory</i>                             |
| 16:30 - 16:45 | Break   |
| 16:45 - 17:15 | Albertas Dvirnas (Aud. 2)<br><i>Braid group cryptography</i>  |
|               | Sarah Yeakel (Aud. 3)<br><i>Classifying <math>n</math>-excisive functors by generic representations</i> |
| 18:30 -       | Conference Dinner   |

## Friday Schedule

| <b>Time</b>   | <b>Event</b>   |
|---------------|--|
| 09:00 - 09:45 | Jacob Lurie -<br><i>Lecture 5</i>                                      |
| 09:45 - 10:00 | Break  |
| 10:00 - 10:30 | Mentor Stafa<br><i>Spaces of commuting elements in Lie groups</i>      |
| 10:30 - 11:00 | Coffee   |
| 11:00 - 11:30 | Marek Filakovský<br><i>Constructive equivariant algebraic topology</i> |
| 11:30 - 11:45 | Break  |
| 11:45 - 12:15 | Isaac Owusu-Mensah<br><i>Topological social choice model</i>           |
| 12:15 -       | Goodbye and Lunch  |