

## Schedule Braid meeting 2022

### Monday

|               |                               |                                                   |
|---------------|-------------------------------|---------------------------------------------------|
| 9 :00-10 :00  | Welcoming of the participants |                                                   |
| 10 :00-11 :00 | Eddy Godelle                  | Garside categories (1)                            |
| 11 :15-12 :15 | Andrea Seppi                  | Examples of four-dimensional geometric transition |
|               | Lunch                         |                                                   |
| 14 :00-15 :00 | Mario Salvetti                | On the $K(\pi, 1)$ -conjecture for Artin groups   |
| 15 :15-16 :00 | Mireille Soergel              | Dyer groups are CAT(0)                            |
| 16 :00-16 :30 | Welcome drink                 |                                                   |

### Tuesday

|               |               |                                                                              |
|---------------|---------------|------------------------------------------------------------------------------|
| 9 :10-10 :25  | Olivier Dudas | Complex reflection groups (1)                                                |
| 10 :25-10 :50 | Coffee break  |                                                                              |
| 10 :55-11 :55 | Olivier Dudas | Complex reflection groups (2)                                                |
|               | Lunch         |                                                                              |
| 14 :00-15 :00 | Agnès Gadbled | Categorical action of the braid group of the cylinder :<br>symplectic aspect |
| 15 :15-15 :45 | Ilias Andreou | Brauer algebras of complex reflection groups                                 |
| 15 :45-16 :15 | Coffee break  |                                                                              |
| 16 :15-17 :00 | Henry Fallet  | Extensions of Cherednik algebras and generalized KZ-functor                  |

### Wednesday

|               |                       |                                                     |
|---------------|-----------------------|-----------------------------------------------------|
| 9 :10-10 :25  | Eddy Godelle          | Garside categories (2)                              |
| 10 :25-10 :50 | Coffee break          |                                                     |
| 10 :50-12 :05 | Olivier Dudas         | Complex reflection groups (3)                       |
|               | Lunch                 |                                                     |
| 14 :00-15 :00 | Maria Cumplido        | Conjugacy stability in Artin groups                 |
| 15 :15-16 :00 | Juan González-Meneses | Parabolic subgroups of complex braid groups.        |
| 16 :00-16 :30 | Coffee break          |                                                     |
| 16 :30-17 :15 | Vincent Beck          | Torsion subgroups of quasi-abelianized braid groups |

### Thursday

|               |                            |                                           |
|---------------|----------------------------|-------------------------------------------|
| 9 :15-10 :30  | Eddy Godelle               | Garside categories (3)                    |
| 10 :30-11 :00 | Coffee break               |                                           |
| 11 :00-11 :45 | Owen Garnier               | Regular theory in complex braid groups    |
|               | Lunch                      |                                           |
| 14 :00-15 :00 | Adrien Brochier            | Surface braid groups and skein categories |
| 16 :00-18 :00 | Walk at the Hortillonnages |                                           |
| 19 :00-22 :00 | Conference dinner          |                                           |

### Friday

|               |              |                                                                              |
|---------------|--------------|------------------------------------------------------------------------------|
| 9 :10-9 :55   | Laura Marino | A lower bound for the unknotting numbers from universal<br>Khovanov homology |
| 9 :55-10 :20  | Coffee break |                                                                              |
| 10 :20-11 :05 | Neha Nanda   | Alexander and Markov theorems for doodles on surfaces                        |
| 11 :20-12 :05 | John Guaschi | (Orbit) configuration spaces and homotopy fibres                             |