

## Bremen 2017 Winter School timetable (Room MZH 1090)

### Dynamical systems and fluids

|               | Mon. 27 Mar.                                                                                                               | Tue. 28 Mar.                                                                                                               | Wed. 29 Mar.                                                   | Thu. 30 Mar.                                                                                                               | Fri. 31 Mar.                                                |
|---------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| 08:30 - 09:00 | Registration and welcome                                                                                                   |                                                                                                                            |                                                                |                                                                                                                            |                                                             |
| 09:00-10:30   | <b>Rotating convection</b><br>Edgar Knobloch                                                                               | <b>Local bifurcations and reduction methods in reversible systems. Application to water-wave models</b><br>Mariana Haragus | <b>Rotating convection</b><br>Edgar Knobloch                   | <b>Local bifurcations and reduction methods in reversible systems. Application to water-wave models</b><br>Mariana Haragus | <b>Hamiltonian dynamics and fluid motions</b><br>Lev Lerman |
| <b>Break</b>  |                                                                                                                            |                                                                                                                            |                                                                |                                                                                                                            |                                                             |
| 10:50-12:20   | <b>Local bifurcations and reduction methods in reversible systems. Application to water-wave models</b><br>Mariana Haragus | <b>Rotating convection</b><br>Edgar Knobloch                                                                               | <b>Hamiltonian dynamics and fluid motions</b><br>Lev Lerman    | <b>Hamiltonian dynamics and fluid motions</b><br>Lev Lerman                                                                | Jim Thomas                                                  |
|               |                                                                                                                            |                                                                                                                            |                                                                |                                                                                                                            | Xavier Leoncini                                             |
|               |                                                                                                                            |                                                                                                                            |                                                                |                                                                                                                            | Olga Shishkina                                              |
| <b>Lunch</b>  |                                                                                                                            |                                                                                                                            |                                                                |                                                                                                                            |                                                             |
| 13:45-14:15   | <b>Hamiltonian dynamics and fluid motions</b><br>Lev Lerman                                                                | Ksenia Guseva                                                                                                              | Gualtiero Badin                                                | Valerio Lucarini                                                                                                           | <b>Plenary lecture</b>                                      |
| 14:25-14:55   |                                                                                                                            | Arturo Viero                                                                                                               | Anton Savostianov                                              | <b>Exercise session</b>                                                                                                    | Eduard Feireisl                                             |
| 15:05-15:35   |                                                                                                                            | Nikita Begun                                                                                                               | Michael Wilczek                                                | Lev Lerman                                                                                                                 | Closing discussion                                          |
| <b>Break</b>  |                                                                                                                            |                                                                                                                            |                                                                |                                                                                                                            |                                                             |
| 16:00-16:50   | Discussion session                                                                                                         | Excursion: Bürgerpark and historical city center and                                                                       | <b>Exercise session</b><br>Mariana Haragus                     | Mattia Serra<br>16:00 – 16:30                                                                                              |                                                             |
| 17:00-20:00   | Poster session / Reception                                                                                                 | 18:00 Conference Dinner at the Ratskeller                                                                                  | Public lecture and Reception from 18:00, Haus der Wissenschaft | Discussion session                                                                                                         |                                                             |