

# YOUNG WOMEN IN MATHEMATICAL PHYSICS

University of Bonn, 24-26 September 2018

## *Program*

### Monday September 24th

9:00 - 9:30	Welcome
9:30 - 10:15	Patrícia Gonçalves <i>Mini-course (part 1): From microscopic to macroscopic: deriving deterministic laws from the random motion of particles</i>
10:15 - 10:45	Coffee break
10:45 - 11:30	Giada Basile <i>Mini-course (part 1): A gradient flow approach to kinetic equations</i>
11:40 - 12:05	Alessandra Occelli <i>Time correlations for last passage percolation models</i>
12:15 - 13:00	Constanza Rojas-Molina <i>Random Schrödinger operators in aperiodic media</i>
13:00 - 14:30	Lunch break
14:30 - 15:15	Ariane Trescases <i>Regularity of the Boltzmann equation in bounded domains</i>
15:25 - 15:50	Ilaria Maccari <i>Vortex physics in 2D disordered superconductors</i>
15:50 - 16:15	Coffee break
16:15 - 17:00	Xian Liao <i>Conserved energies for the one-dimensional Gross-Pitaevskii equation</i>
17:00 - 18:30	Poster session

## Tuesday September 25th

9:30 - 10:15	Giada Basile <i>Mini-course (part 2): A gradient flow approach to kinetic equations</i>
10:15 - 10:45	Coffee break
10:45 - 11:30	Sabine Jansen <i>Mini-course (part 1): Gibbs point processes and cluster expansions</i>
11:40 - 12:05	Mareike Lager <i>Random Matrices and Supersymmetry</i>
12:15 - 13:00	Diana Conache <i>Schonmann's projection from the one-sided point of view</i>
13:00 - 14:30	Lunch break
14:30 - 15:15	Oriane Blondel <i>Convergence of a degenerate microscopic dynamics to the porous medium equation</i>
15:25 - 15:50	Costanza Benassi <i>Loop Correlations in Random Wire Models</i>
15:50 - 16:45	Coffee break and discussion
16:55 - 17:55	Barbara Rüdiger <i>Special Lecture: Ludwig Eduard Boltzmann - The man who trusted atoms. Honoring the monograph of Carlo Cercignani</i>
18:30 - 21:00	Social dinner

## Wednesday September 26th

9:00 - 9:45	Sabine Jansen <i>Mini-course (part 2): Gibbs point processes and cluster expansions</i>
9:45 - 10:15	Coffee break
10:15 - 11:00	Patrícia Gonçalves <i>Mini-course (part 2): From microscopic to macroscopic: deriving deterministic laws from the random motion of particles</i>
11:10 - 11:55	Gioia Carinci <i>Particle Systems and Free Boundary Problems</i>
12:05 - 12:50	Chiara Saffirio <i>From the many-body quantum dynamics to the Vlasov equation</i>
12:50 - 13:00	Closure