

Workshop  
“Calculus of Variations: a New Generation”

September 16-20, 2024

organized by  
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• Monday, September 16

09:45 - 10:00	<i>Self Registration</i>
10:00 - 10:30	<i>Coffee Break</i>
10:30 - 11:30	<b>De Filippis</b> Nonlinear potentials at the fractional scale: sharp regularity
11:30 - 12:30	<b>Arroyo-Rabasa</b> Local Poincaré constants and BMO functionals for BV functions
12:30 - 14:00	<i>Lunch Break</i>
14:00 - 15:00	<b>Daneri</b> Continuous symmetry breaking: a rigorous approach
15:00 - 16:00	<b>Rademacher</b> The effective mass problem for the classical polaron

• **Tuesday, September 17**

09:00 - 10:00	<b>Velichkov</b> Boundary regularity for optimal partition
10:00 - 10:30	<i>Coffee Break and Group Photo</i>
10:30 - 11:30	<b>Bevilacqua</b> Classical solutions for a soap film capillarity problem
11:30 - 12:30	<b>La Manna</b> Fractional heat equation and sets of finite perimeter
12:30 - 14:00	<i>Lunch Break</i>
14:00 - 15:00	<b>Bungert</b> An adversarial mean curvature flow
15:00 - 15:30	<i>Coffee Break</i>
15:30 - 16:30	<b>Hoeksema</b> Gradient flow formulations for singular jumps processes in metric spaces
18:00 - 20:00	<i>Get Together</i>

• **Wednesday, September 20**

09:00 - 10:00	<b>Brizzi</b> $p$ -Wasserstein barycenters
10:00 - 10:30	<i>Coffee Break</i>
10:30 - 11:30	<b>Eichinger</b> On the turnpike property in mean field games
11:30 - 12:30	<b>Dumas</b> Lipschitz regularity of the trajectories minimizing the total variation in a congested setting
<i>afterwards</i>	<i>Lunch break and free afternoon</i>

• **Thursday, September 19**

09:00 - 10:00	<b>Bach</b> Stacking faults in the limit of a discrete model for partial edge dislocations
10:00 - 10:30	<i>Coffee Break</i>
10:30 - 11:30	<b>Marziani</b> $\Gamma$ -convergence for plane to wrinkles transition problem
11:30 - 12:30	<b>Bonhomme</b> Variational methods applied to discrete models in brittle damage
12:30 - 14:00	<i>Lunch Break</i>
14:00 - 15:00	<b>Laux</b> Energy convergence of the Allen-Cahn equation for mean convex mean curvature flow
15:00 - 15:30	<i>Coffee Break</i>
15:30 - 16:30	<b>Marveggio</b> Stability of multiphase mean curvature flow beyond a circular topology change

• **Friday, September 20**

09:00 - 10:00	<b>Fernández-Real</b> On the one-phase free boundary problem
10:00 - 10:30	<i>Coffee Break</i>
10:30 - 11:30	<b>Guerra</b> Harmonic maps and the vectorial obstacle problem: singularities vs free boundaries
<i>afterwards</i>	<i>closing</i>