

Workshop on
“Geometric Measure Theory and Free Boundary Problems”

February 11-15, 2019

organized by
Emanuele Spadaro, László Székelyhidi Jr., Georg S. Weiss

• Monday, Feb 11

10:00 - 11:00	Self registration and coffee break
11:00 - 11:50	Sagun Chanillo <i>Borderline Sobolev Inequalities on Symmetric Spaces with Applications</i>
13:00 - 15:00	<i>Lunch break</i>
15:00 - 15:50	Herbert Koch <i>The thin obstacle problem: Carleman inequalities and higher regularity of the regular part</i>
16:00 - 16:30	<i>Coffee and cake</i>
19:00 -	<i>Reception</i>

• Tuesday, Feb 12

09:30 - 10:20	Henrik Shahgholian <i>Free boundaries on Lattice, and their scaling limits</i>
10:30 - 11:00	<i>Group photo and coffee break</i>
11:00 - 11:50	Sebastian Schwarzacher <i>On compressible fluids interacting with a linear-elastic Koiter shell</i>
13:00 - 15:00	<i>Lunch break</i>
15:00 - 15:50	Yash Jhaveri <i>Higher Regularity of the Singular Set in the Thin Obstacle Problem</i>
16:00 - 16:30	<i>Coffee and cake</i>
16:30 - 17:20	Alessio Figalli <i>Generic regularity in obstacle problems</i>
18:30 -	<i>Dinner at Brauhaus Bönnsch</i>

• **Wednesday, Feb 13**

09:30 - 10:20	Stephen Watson <i>Emergent Symmetries of the (driven) Geometric Ginzburg-Landau Equation</i>
10:30 - 11:00	<i>Coffee break</i>
11:00 - 11:50	Mariana Smit Vega Garcia <i>The fractional unstable obstacle problem</i>
12:00 - 12:50	Stephan Luckhaus <i>Cosserath structures and small angle grain boundaries for 2d elasticity</i>
13:00 - 15:00	<i>Lunch break</i>
15:00 - 15:50	Farid Bozorgnia <i>On a Class of Singularly Perturbed Elliptic Systems with Asymptotic Phase Segregation</i>
16:00 - 16:30	<i>Coffee and cake</i>

• **Thursday, Feb 14**

09:30 - 10:20	Jonas Hirsch <i>Regularity of minimizers for a model of charged droplets</i>
10:30 - 11:00	<i>Coffee break</i>
11:00 - 11:50	Edgard Pimentel <i>Regularity theory for nonlinear PDEs</i>
12:00 - 12:50	Matthias Röger <i>Nonlocal perturbations of bending energies</i>
13:00 - 15:00	<i>Lunch break</i>
15:00 - 15:50	Gohar Aleksanyan <i>Regularity of the free boundary for the double obstacle problem in dimension two</i>
16:00 - 16:30	<i>Coffee and cake</i>

• **Friday, Feb 15**

09:30 - 10:20	Wenhui Shi <i>An isoperimetric inequality approach to the parabolic Signorini problem</i>
10:30 - 11:00	<i>Coffee break</i>
11:00 - 11:50	Erik Lindgren <i>Infinity-harmonic potentials in convex rings</i>

All talks take place at HIM lecture hall, Poppelsdorfer Allee 45, Bonn.