Fall 2021 G.A.S.B.A.G.S Schedule

November 6–7, 2021

Saturday, November 6

- 9:00am - 9:25am: Coffee and snacks in 2-290.

- 9:25am - 9:30am: Welcome and opening remarks.

- 9:30am - 10:45am: **David Jerison** (MIT): Geometry of Level Sets

- 10:45am - 11:15am: Coffee and snacks in 2-190.

- 11:15am - 12:15pm: **Tang-Kai Lee** (MIT): Self-shrinkers and Entropy Minimizers for the Mean Curvature Flow

- 12:15pm - 1:30pm: Lunch break

- 1:30pm - 2:30pm: **Jie Xu** (Boston University): Yamabe Problem in Various Domains

- 2:30pm - 3:00pm: Coffee and snacks

- 3:00pm - 4:00pm: **Ruoxuan Yang** (MIT): Shock formations for the Burgers-Hilbert equation

- 4:15pm- 5:15pm: **Maxim Jeffs** (Harvard): Symplectic geometry of singular varieties

Sunday, November 7

- 9:00am - 9:30am: Coffee and snacks

- 9:30am - 10:30am: **Paul Seidel** (MIT): Fukaya categories of Calabi-Yau hypersurfaces, I

- 10:30am - 11:00am: Coffee and snacks

- 11:00am - 12:00pm: **Paul Seidel** (MIT): Fukaya categories of Calabi-Yau hypersurfaces, II

- 12:00pm - 1:15pm: Lunch break

- 1:15pm - 2:15pm: **Yuqiu Fu** (MIT): Decoupling Inequalities in Fourier Analysis

- 2:15pm - 2:45pm: Coffee and snacks

- 2:45pm - 3:45pm: **Xuezhu Lu** (Northeastern): : Inverse problems for nonlinear time-harmonic Maxwell's equations with partial data

- 4:00pm - 5:00pm: **Feng Gui** (MIT): Harmonic and Caloric Functions of Polynomial Growth