

Mathematics Department Colloquium

Organizer: Nicolai Reshetikhin

Thursday, 4:10–5:00pm, 60 Evans

Nov. 29 **Alexander Bobenko**, Technische Universitaet Berlin
Discrete differential geometry: From organizing principles to applications

Discrete differential geometry aims at the development and application of discrete equivalents of the geometric notions and methods of differential geometry. The latter appears then as a limit of refinements of the discretization. Current progress in this field is to a large extent stimulated by its relevance for computer graphics. Concrete examples considered in the talk include discrete curvature line parametrizations, discrete Willmore energy, and surfaces with constant curvature.

