

PhD positions are available in the group of Prof. Stefano Gonella at the University of Minnesota. The positions are in the general area of mechanics and physics of solids, with emphasis on mechanical and elastic metamaterials and wave physics.

Current topics of interest include:

- 1) Topological mechanics and metamaterials
- 2) Optimization of metamaterials and metastructures
- 3) Mechanics of lattices

The research will involve a combination of theoretical, computational and experimental work, providing the students with a complete and holistic training and a diverse research experience.

The ideal candidate is a highly motivated and creative individual with background in engineering, physics, materials science or mathematics, solid foundations in mechanics, coding experience and strong communication skills.

The position is tentatively expected to start in the fall of 2025.

Applicants should submit a resume (indicating names and contact of references) via email to Prof. Stefano Gonella at sgonella@umn.edu. Qualified candidates will be contacted to schedule a follow-up interview (e.g., Zoom or Skype) and encouraged to submit a formal application to the PhD program in the CEGE department at the University of Minnesota.

The University of Minnesota is one of the most comprehensive and prestigious public universities in the United States. The campus is located in the vibrant heart of the Minneapolis-Saint-Paul metropolitan area (the Twin Cities), one of the major economic, artistic and cultural hubs in the nation, just blocks from theaters, museums, professional sports venues and endless outdoors recreation opportunities.



Minneapolis skyline from the University of Minnesota campus



Lake Bde Maka Ska - Minneapolis



Guthrie Theater - Minneapolis



Weisman Art Museum on the University of Minnesota campus



Vikings Stadium - Minneapolis



Outdoors activities on the Mississippi riverfront