

The Sound and Vibrations Lab (<http://svl.eng.buffalo.edu>), directed by **Prof. Mostafa Nouh** at the University at Buffalo – SUNY, has an opening for a postdoc position in the areas of phononics and elastic metamaterials. The position is supported by an NSF project whose main objective is to investigate the mechanics of space-time-periodic material systems operating within asymmetric, nonreciprocal, non-Hermitian, and/or frequency-selective regimes. The ideal candidate should have a solid background in elastic/acoustic wave theory (e.g., dispersion, beaming, structural dynamics, etc.) and numerical computations. Relevant experimental expertise is highly desirable, but not strictly required. The position has a tentative start date of September 2022, which could be slightly moved back or forward as needed. This is a **2-years position** which has an initial appointment of 1 year and is renewable for a second year.

The candidate will be directly involved in the theoretical/computational and experimental aspects of the project, timely data dissemination, and will play a central role in shaping future directions. As such, candidates who can demonstrate leadership, organizational skills, and some degree of independence will be strongly considered. The candidate will be mentored by the PI and will have the support and resources of the Office of Postdoctoral Scholars. Interested applicants are encouraged to email a detailed CV, indicating education, experience, and the contact information of at least 2 references, to Prof. Mostafa Nouh at [mnouh@buffalo.edu](mailto:mnouh@buffalo.edu). Qualified candidates will be contacted to schedule an interview.

The University at Buffalo, a member of the Association of American Universities (AAU), is the largest and most comprehensive university in The State University of New York (SUNY) system, with about 20,000 undergraduates, 10,000 graduate students, and 1600 full-time faculty. The School of Engineering and Applied Sciences has 6,000 students enrolled across 9 academic departments. Buffalo is a city with a rapidly growing economy, eclectic neighborhoods, world-class art galleries and museums, a vibrant theater and music community, the Lake Erie waterfront, a city-wide system of parks designed by renowned landscape architect Frederick Law Olmsted, and major and minor league sports teams. The awe-inspiring Niagara Falls is just 20 minutes away. The Mechanical and Aerospace Engineering department is located on the UB North Campus in suburban Amherst, an area that combines outstanding public schools and services with a reasonably low cost-of-living.



UB North Campus



Niagara Falls



Buffalo Skyline



Bills Stadium