

# Natural Hazards and Infrastructure Resilience (NHIR Lab)

is hiring students for Ph.D & Master level studies (starting in Fall 2023) on *natural hazard quantification* and *infrastructure response*. The positions will be in the broader areas of storm surge real-time forecasting, infrastructure response to external loads, coastal erosion, and the enhancement of coastal resiliency. Prospective candidates should be self-motivated and able to work in a multi-disciplinary team environment, hold an engineering degree, with some experience in data processing, machine learning and/or structural modeling. A strong mathematical background will be also appreciated.



## Preferred skills:

- Programming (MATLAB, Python, etc.)
- Statistical analysis / Machine Learning skills
- Numerical modeling software (for structures: OpenSees, SAP2000, Etabs, ABAQUS, etc. for fluids/coastal erosion: ADCIRC, SLOSH, OpenFOAM, OlaFlow, XBeach, ect.)

For further details, please contact: Dr. Aikaterini (Katerina) Kyprioti,  
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Interested candidates are encouraged to directly apply in [School of Civil Engineering and Environmental Science](#) using [link](#), indicating their preference to work in NHIR lab projects.