

Dear all:

We are recruiting a postdoctoral research scholar to join our iSMART Lab (<https://web.stevens.edu/ismart/>) at Stevens Institute of Technology, in New Jersey. The position will be part of our role as one of the founding partners of the Cooperative Institute for Research to Operations in Hydrology (CIROH), a new cooperative institute recently funded by the National Oceanic and Atmospheric Administration (NOAA), led by the Alabama Water Institute at the University of Alabama. The candidate will be based at Stevens Institute of Technology, in Hoboken, New Jersey.

The selected candidate will be involved in a multi-year project for the enhancement of streamflow forecast using WRF-Hydro in northern watersheds. The candidate will work on river ice remote sensing and the integration of information on ice into streamflow routing schemes. The research will be conducted in close collaboration with The NOAA National Water Center and the NOAA National Water Service.

In addition, there will be opportunities to contribute to other ongoing funded projects like the multiyear project supported by NASA in collaboration with the New York City Water Supply group. The candidate can also contribute to another multiyear funded project by the Port Authority of New York and New Jersey to improve the forecast of urban flooding in New York City metropolitan area.

Applicants should demonstrate:

- A strong background in hydraulics, hydrology, and hydrometeorology,
- A proven ability to publish in peer-reviewed journals
- An extensive experience in modeling with WRF-Hydro\National Water Model
- A knowledge of remote sensing techniques
- Excellent coding and data analysis skills

Applicants are invited to submit the following documents with reference to the CIROH postdoc position in the subject:

- Cover letter
- Resume
- Samples of relevant authored or co-authored publications
- The names and contact information of three references

The application package should be addressed to Dr. Marouane Temimi (<https://faculty.stevens.edu/mtemimi>). While we thank all those who express interest in the position, we will only contact shortlisted candidates for an interview. Review of applications will begin immediately. The position will remain open until filled.

Marouane Temimi
Associate Professor
Department of Civil, Environmental, and Ocean Engineering (CEOE)
Stevens Institute of Technology
1 Castle Point Terrace
Hoboken, NJ, 07030