



THE WATER INSTITUTE
OF THE GULF™

Research Scientist/Engineer or a Post Doctor: Natural Systems Modeling

THE WATER INSTITUTE OF THE GULF

January 31, 2018

Background

The Water Institute of the Gulf is a not-for-profit, independent applied research institute based in Baton Rouge, Louisiana dedicated to providing advanced understanding and technical expertise to support management of coastal, deltaic and water systems, within Louisiana, the Gulf Coast and around the world. Recently the Institute has been named the RESTORE Act Center of Excellence for Louisiana and will be administering a multi-year competitive grants program to provide research that supports the implementation of the Louisiana Coastal Master Plan.

Position Description

The Water Institute of the Gulf is seeking applicants for a Research Scientist/Engineer or a Post Doctor appointment. We are specifically seeking outstanding applicants with a background in one or more of the following areas: hydrology, hydraulics, and numerical modeling of riverine and urban/suburban storm water systems. This position reports to the Vice President for Engineering or a senior member of the Natural Systems Modeling Team.

The duties of this position will include, but not be limited to:

- Develop and apply models, perform data analysis and interpretation of hydrologic and hydraulic systems and simulation results;
- Write technical papers, present at meetings, workshops and technical conferences;
- Conduct various research tasks such as code development and customizations as needed;
- Participate in field data collection in support of research and modeling activities;
- Participate in writing proposals to generate external funding streams.

Required qualifications include:

- M.S. or Ph.D. in Engineering, Geoscience, or related field is required.
- Experience in model development and applications either as part of the graduate research or prior professional experience.



- The Water Institute operates on multiple computational platforms, so candidates should have scripting and programming skills.

Desired qualifications include:

- Familiarity with HEC-HMS, HEC-RAS, EPA-SWMM and/or other FEMA-type modeling and mapping applications.
- Experience with GIS software and scripting languages.
- Familiarity with widely used numerical modeling packages
- Candidates with a professional engineering license or the ability/intent to obtain one will be viewed positively.

The successful candidate will be a self-motivated, results-driven professional with sound judgment, excellent interpersonal skills, and the flexibility to adjust to changing priorities in a demanding, fast-paced environment. The Institute expects to offer a competitive salary and benefits commensurate with a candidate's skills and experience. This is a full time exempt position.

How to Apply

Interested persons should apply online at [The Water Institute of the Gulf's Career Center](#).

Questions and clarifications on duties and qualifications can also be directed to Lyndsey Mitchell, HR Manager, via email at lmitchell@thewaterinstitute.org.

For additional information, please visit our website www.thewaterinstitute.org.