Job Title: Postdoctoral Scholar  
Job location: Bend, Oregon  
Position summary: The Oregon State University Water and Energy Technologies Laboratory (WET Lab) and the School of Mechanical, Industrial and Manufacturing Engineering (MIME) invites applications for a full-time (1.0 FTE), 18-month (with the possibility of extension), fixed-term Postdoctoral Scholar position. The WET Lab Postdoctoral Scholar will work on a DOE EERE funded project to desalinate high-salinity water and produce potable water.

The qualifications of the Postdoctoral Scholar are:
- Earned Ph.D. in Mechanical (thermal-fluids) Engineering, Chemical Engineering, or related disciplines (in the last 5 years).
- Demonstrated expertise in designing, building, and operating experimental setups for thermal-fluids investigations.
- Demonstrated expertise in conducting advanced CFD analyses using ANSYS-Fluent and CAD using SolidWorks or similar software.
- Preference will be given to applicants with demonstrated knowledge of control systems, advanced manufacturing, thermodynamics of humid streams, multi-phase flows, and phase change heat transfer.
- Experienced in leading a team of graduate and undergraduate students.
- Outstanding written and effective oral communication skills.

Position Duties:
- Research and engineering: Conduct original analyses to design, build, and operate experiments from proof-of-concept to lab-scale demonstration.
- Publication/dissemination: Dissemination of results through presentation at different venues and preparation of manuscripts for publication in peer-reviewed journals.
- Supervision and other duties as assigned: Supervision of student employees and design engineers. Depending upon availability/need, there may be teaching duties for one or multiple thermal-fluid courses (e.g., thermodynamics, fluid mechanics, heat transfer, etc).
- Work environment and schedule: This position is NOT suited for an individual partial to desk work. Typical office space is available for desk duties, but the work is primarily hands-on and performed in a lab environment. Work schedule varies depending on the workload, deadlines, and other factors.

Application Documents:
- A cover letter and statement of objectives (two pages max).
- A CV, including the GPAs for all post-graduate degrees and approximate rank in the class.
- The names and contact information of three professional references.
- Writing sample: A published technical paper written by the applicant. If a paper has multiple authors the sections that are actually drafted by the applicant should be highlighted. This will be used to evaluate the applicant’s technical writing skills.
- All application materials should be submitted as one single PDF document.

Open until: 9/15/2018  
Full consideration: 8/15/2018  
Start Date: 10/1/2018 (subject to change)  
This position is dependent on continued funding.
Point of contact: Dr. Bahman Abbasi, AbbasiB@oregonstate.edu.