

## **Assistant Professor of Media Design Technology and Fabrication - Tenure Track**

The Gerald D. Hines College of Architecture and Design at the University of Houston seeks candidates for a Tenure Track Assistant Professor focusing on the areas of media design technologies and fabrication. This position will include teaching responsibilities, scholarship, and coordination of the new Advanced Media Technology Laboratory [AMTL]. Candidates should be knowledgeable and current with developments in Architecture, Industrial Design, and Interior Architecture; the applied research undertaken in these disciplines; and skilled at the integration of digital technologies with design.

The Advanced Media Technology Laboratory will be at the forefront of digital design exploration, fostering the advancement of a variety of media, digital technologies and advanced fabrication techniques. The AMTL will promote research and collaboration across the University. The laboratory will be home to a variety of applied research investigations. Chief among them are materials research, building envelope investigations, social design, and prototyping for mass production.

We seek candidates with intellectual curiosity as well as technical knowledge that can be translated in curricula, program vision, teaching and scholarship. Candidates must be able to work with faculty across the spectrum of disciplines within the College as well as across diverse mediums and technologies. Candidates will assist in the education of undergraduate and graduate students providing curricular leadership in digital technologies and curating their role in an integrated design education.

Candidates will be expected to be literate in a broad range of software and hardware that will be part of the laboratory tool base. Advanced knowledge and experience in equipment and processes in the laboratory and on-going pursuit of knowledge in the field will be expected.

This position is expected to help to guide the Advanced Media Technology Laboratory to become a high profile and competitive College and University asset. As a pivotal addition to the existing Keeland Design Exploration Lab, the pairing will demand integrative oversight. The AMTL coordinator must be able to understand the options and the range of complex digital capabilities, the potential of traditional methodologies, and the curiosity to continuously lead the investigation of what is possible and be able articulate their opportunities. Knowledge areas that would be expected are:

- Advanced Computation and Parametric Design
- Digital Fabrication and Robotics
- 3D printing / Additive Manufacturing
- Interactive Technologies and Responsive Systems
- Building Information Modeling [BIM]
- Advanced Visualization and Simulation
- History and Theory of Digital Design
- Experimental and Emerging Technologies

### **Qualifications**

Qualified candidates must hold at least one degree in Architecture. Candidates must hold a Master's degree or PhD in a design related field, with a record of professional practice or scholarship, and teaching experience.

Candidates must demonstrate superior design and representation skills, clarity in communication, and an openness to collaboration. Candidates with a strong commitment to innovative teaching practices, cultural awareness, critical practice, theoretical scholarship, as well as various specializations including but not limited to materials research, advanced visualization, and digital fabrication are encouraged to apply. Salary will be commensurate with qualifications.

### **Application**

Only electronic applications will be accepted. Applicants should provide the following: a letter of intent responding to the outlined duties and qualifications, a curriculum vitae, a portfolio and publication samples with candidate's role or responsibility clearly indicated, and contact information for three references.

Submit application to: <http://jobs.uh.edu>

For further information or questions please contact:  
Professor Gail Peter Borden FAIA,  
Director of Graduate Programs and Search Committee Chair  
gborden@uh.edu

Application review will begin December 15, 2017 and will continue until the position is filled. The successful applicant is expected to start mid-August 2018.

For more information about the University of Houston Gerald D. Hines College of Architecture and Design please visit: [www.arch.uh.edu](http://www.arch.uh.edu)

The University of Houston, with one of the most diverse student bodies in the nation, seeks to recruit and retain a diverse community of scholars.

*The University of Houston is an Equal Opportunity/Affirmative Action institution. Minorities, women, veterans and persons with disabilities are encouraged to apply.*

*The University of Houston is responsive to the needs of dual career couples.*