



**The Combustion Institute**

5001 Baum Boulevard, Suite 644

Pittsburgh, Pennsylvania 15213-1851 USA

Ph: (412) 687-1366

Fax: (412) 687-0340

Office@CombustionInstitute.org

CombustionInstitute.org

---

*The Combustion Institute posts job listings for the convenience of our international combustion community. CI does not endorse this job listing or the employer. Please do not contact CI for job-related information. Refer to the full disclaimer at the end of this document.*

## **Multiple Positions (MS/PhD/Post-Doc) in Additive Manufacturing - Gas Dynamic Cold Spray of Polymers & Polymeric Composites**

An interdisciplinary team from Rowan University's Chemical, Mechanical, and Civil & Environmental Engineering departments seeks to hire outstanding Post-Doctoral Fellows, PhD students, and MS students to support a multi-year, multi-institution research initiative related to direct-write additive manufacturing processes - including Gas Dynamic Cold Spray - for use with high performance polymers and polymeric composites. Broadly speaking, the purpose of these positions is to develop a fundamental understanding of relevant polymer physics and direct this to applications involving the manufacture of advanced structures and coatings. Sample research projects include development of new experimental techniques/apparatuses, mechanical/thermal/chemical/morphological characterization of as-printed samples and demonstration parts, and advanced computational modeling of both the manufacturing process and as-printed prototypes.

### **Essential Requirements**

Qualifications and necessary experience vary with position; however, foundational background in fields related to polymer physics/chemistry, materials characterization, high speed flows, and/or advanced computational materials modeling is highly desirable, as are excellent communication skills (written and verbal).

Competitive compensation and opportunities for professional development are offered as commensurate with position level.

### **Location**

The Henry M. Rowan College of Engineering of Rowan University, located 20 minutes from downtown Philadelphia in Glassboro, New Jersey, is undergoing rapid growth of its research enterprise, recently ascending through R3 Carnegie-classified status to R2 ("high" research activity) in only two years. The College is ranked by US News & World Report as a Top 10 engineering program among US public institutions in its category.

*continued on the following page*

## How to Apply

Interested applicants should send:

- a) A letter of inquiry describing the applicant's background and interest in one of the available positions (specify position level);
- b) A CV/résumé;
- c) Optional portfolio of representative research productivity (e.g., presentations, thesis and/or representative publications); and
- d) Names and email addresses for two references.

### **Prof. Mac Haas**

Rowan University Department of Mechanical Engineering  
[haas@rowan.edu](mailto:haas@rowan.edu)

### **Prof. Joe Stanzione**

Rowan University Department of Chemical Engineering  
[stanzione@rowan.edu](mailto:stanzione@rowan.edu)

### ***The Combustion Institute Disclaimer***

*The Combustion Institute posts job listings for the convenience of our international combustion community. CI does not endorse or recommend employers, and listed job opportunities do not constitute an endorsement or recommendation. CI explicitly makes no representations or guarantees about job listings or the accuracy of the information provided by the employer. CI is not responsible for safety, wages, working conditions, or any other aspect of employment without limitation. Please do not contact CI for job-related information.*