

## Postdoctoral Associate Position Opportunity

**Department:** Mechanical & Materials Engineering

**Supervisor:** Prof. Frank Henning and Prof. Anthony Straatman

### Description of Research and Position:

Area of research: Computational fluid dynamics (CFD) development and application, computational modeling of the molding of continuous and discontinuous fiber materials and of draped fabric composite materials; material property characterization; manufacturing

Position: The incumbent will work with the CFD groups at Western and at Karlsruhe Institute of technology and interface with the team at the Fraunhofer Institute and Project Center.

### Accountabilities of the Role:

- Understanding and working knowledge of in-house CFD and Materials processing codes for conducting mold flow and draping simulations; modification and running of existing software codes
- Assistance with supervision of other graduate students in same research laboratory

### Educational Requirements necessary for the Role:

PhD degree in Mechanical or Chemical engineering with extensive knowledge of CFD code development and operation.

**Number of Opportunities:**

1

**Proposed Start Date:**

09/15/2018

**Length of Appointment:**

24 months with possible extension to 36 months

*Please note that the length of appointment may change.*

### How to Apply:

To apply, please send your CV, statement of research, and three representative publications to Professor A. G. Straatman

**Posting Expires:** 08/31/2018

*Note: Postings must be publicly available for a minimum of 10 days.*