

## **Post-Doctoral Associate Openings in Fundamentals of Polymer Release Liners**

### **Department of Chemical Engineering and Materials Science University of Minnesota**

Two post-doctoral research associate positions are open for research on the fundamental structure-property relationships of polymer release liners. A release liner, such as a coated paper, is designed to be a temporary substrate for adhesive-based products like tapes and labels. The aim of our research is to explore the fundamental connections between release liner structure and chemistry and the force needed to delaminate the adhesive product from the liner. The research involves collaboration among Profs. Michelle Calabrese, Chris Ellison and Lorraine Francis. The project is supported by Dow Chemical Company and will involve collaboration with engineers and scientists at Dow.

The ideal candidates for these positions will have a Ph.D. in Chemical Engineering, Materials Science and Engineering, Polymer Science, Mechanical Engineering or a related field, and research experience with one or more of the following: polymer synthesis and characterization, rheology, liquid applied coating processes, adhesion science and testing, and polymer science. Applicants must also have strong communication and collaboration skills.

The position will provide excellent preparation for either industrial or academic career paths.

Start date: Any time after July 1, 2021

**To apply, send CV and the names of three references to one or all of the following:**

Prof. Michelle Calabrese  
mcalab@umn.edu

Prof. Chris Ellison  
cellison@umn.edu

Prof. Lorraine Francis  
lfrancis@umn.edu