



For Immediate Release:

September 21, 2018

**Cornell Center for Materials Research Co-Sponsors Materials Science M.Eng Projects with New York State Companies!**

**Ithaca, NY** - The Cornell Center for Materials Research Industrial Partnerships Program is designed to help New York State's businesses access world-class capabilities; solve technical challenges; and develop and improve their products, with the ultimate goals of revenue growth and job creation.

The master of Engineering (M.Eng) program of the College of Engineering's Materials Science and Engineering Department is designed to provide hands-on applications to burgeoning engineers as well as an opportunity to explore unique interests and pursue professional goals.

As such, the CCMR and the Materials Science and Engineering Department are in a unique position to collaborate and offer special opportunities to both students and industry partners. While collaborating on crucial needs, industries gain access to highly skilled labor, and students receive professional experience.

This fall, CCMR began co-sponsoring selected industry-funded Materials Science M.Eng Projects. The first company to benefit from the program is FlexSurface, Inc., a startup from Vestal that is developing new materials to build microsensors capable of detecting exposure to air pollution. The goal is to develop a low-cost wireless microsensor to be integrated in wearable and affordable devices for real-time air quality monitoring. Cornell Engineering student Nicole Chu will have the opportunity to work with FlexSurface to develop microsensors and test their performance.

The CCMR provides 33% of matching funds not to exceed \$5,000 per project. The program is also supported by Empire State Development's Division of Science, Technology and Innovation (NYSTAR). New York State manufacturing and research and development businesses from the following industry sectors are eligible: materials, chemistry, energy, pharmaceuticals, food and textile.

**About the Cornell Center for Materials Research (CCMR)**

The Cornell Center for Materials Research is a National Science Foundation and New York State funded interdisciplinary research center at Cornell University whose mission is to advance, explore, and exploit the forefront of the science and engineering of advanced materials. The CCMR pursues this objective through fundamental, experimental and theoretical studies. Three other complementary functions complete the CCMR's mission: educational outreach to teachers and students; industrial outreach and knowledge transfer; and the operation of shared instrumentation in support of materials research both on and off campus.

[www.ccmr.cornell.edu/industry](http://www.ccmr.cornell.edu/industry)

### **About Cornell Department of Materials Sciences and Engineering**

The Department of Materials Science and Engineering (MSE) at Cornell University is one of the premier MSE programs internationally. This position was earned through its leadership in innovative interdisciplinary research and its dedication to providing an exceptional education at all levels. The master of Engineering program (M.Eng) provides a deepening understanding of the field prepares students for professional careers in engineering or other problem-solving positions, or for further graduate study.

<http://www.mse.cornell.edu/>

### **About Empire State Development's Division of Science, Technology and Innovation**

Empire State Development's Division of Science, Technology and Innovation (NYSTAR) supports collaborative industry/academic partnerships to foster integrated approaches for developing and commercializing innovative technologies. NYSTAR serves as a resource for small and startup technology companies. For more information, please visit

[www.esd.ny.gov/nystar/](http://www.esd.ny.gov/nystar/).

### **About FlexSurface**

FlexSurface is a startup company in the Binghamton, New York, which collaborates with researchers at Binghamton University to develop scalable processes in manufacturing functional materials chemical sensors, and catalysts.

<http://www.flexsurface.com>

### **Contact:**

Dr. Michèle van de Walle, Ph.D., MBA,  
Industrial Partnerships Director,

T. 607 255 8809

[industry@ccmr.cornell.edu](mailto:industry@ccmr.cornell.edu)

Step into a world of leading experts and state of the art equipment.  
Solve real-world challenges using a science-based, uniquely collaborative approach.