The Center for Advanced Materials Processing (CAMP)

OVERVIEW
CAMP’s expertise in materials science and processing supports companies interested in understanding and exploiting state-of-the-art, advanced, tailor-designed materials and processes to improve products, solve manufacturing challenges, increase yield, lower cost and foster innovation.

WORKING ARRANGEMENTS
CAMP offers a variety of contractual arrangements to meet your corporate needs and expectations.

• Master Collaboration Agreement (MCA) to accommodate multiple research areas and to facilitate long-term relationships.
• Analytical Service Agreements (ASA) for material analysis and testing.
• Tailored agreements for work force development, including internships, visiting scientists, co-ops and more

A PART OF CLARKSON UNIVERSITY, CAMP COMBINES THE UNIVERSITY’S HIGHLY REPUTABLE INSTITUTES AND CENTERS WITH INDUSTRY.

CORE RESEARCH EXPERTISE
Our research faculty is world-renowned and willing to put their expertise to work on your company’s challenges.

MATERIALS SYNTHESIS & FUNCTIONALIZATION
• Colloids, polymers, metals and composites.
• Surfaces and interfaces.
• Micro- and nano-particles.
• Metal organic frameworks.
• Smart materials.
• Thin and thick film coatings.
• Materials for energy storage devices.

MATERIALS PROCESSING
• Removal of particles from waste streams.
• Film deposition methods.
• Additive manufacturing.
• Plasma treatments.
• Colloidal slurries for CMP and controlled material removal.
• Metrology, non-destructive testing and quality assurance.

MATERIALS CHARACTERIZATION
COMPUTATIONAL MODELING & SIMULATION
EDUCATION & TRAINING
• Graduate student research.
• Undergraduate student research.
• Internships.

MATERIALS BY DESIGN
• Metamaterials.
• Advanced battery construction.
• Wearable electronic devices.
• Lightweight structures.
• Infrastructures.
• Medical devices.
The Center for Advanced Materials Processing

- Has enjoyed **NYSTAR designation** as a **Center for Advanced Technology** since 1987 with four successful performance-based contract renewals with New York state. CAMP was redesignated in 2018 for an additional 10 years.

- **Champions economic development** in Northern New York and across New York State through partnerships with economic development councils, industries, innovation centers and research institutes.

- Has helped New York State companies achieve **$245 million in economic impact** and helped create and retain **382 jobs** over the past decade through research collaborations with industry.

- Produces **research** that combines applied science with **innovation** and **engineering** to transfer unique solutions from the lab to practical applications.

- Is a **collaborative partner resource** with the ability to work cooperatively with CATs and COEs across New York State to provide solutions for industry needs.

Please contact us to learn more about the benefits of research collaborations through CAMP.