**Research Scientist**

The **Research Scientist** provides key technical leadership within R&D at Cabot Microelectronics Corporation (CMC). This role is responsible for driving and generating innovative chemistries for cutting-edge CMP slurry technologies that will have short-term and long-term impact on CMC’s success. The position offers high visibility both internally within R&D and Business teams and externally with our semiconductor customers.

**Responsibilities include, but are not limited to, the following:**

- Conduct innovative activities focused on particle surface modification and colloidal synthesis, leading to new and improved products or processes for Chemical Mechanical Planarization
- Strong customer focus with ability to understand performance applications and needs in the semiconductor industry and effectively prioritize and manage R&D projects.
- Establish key CMP product characteristics and mechanisms controlling product performance
- Leverage existing knowledge and capability to extend technology platforms to new product development.
- Collaborate with colleagues to achieve research goals as both a team member and individual contributor
- Document research results for intellectual property

**To be successful in this role, candidates should possess:**

- Doctorate with postdoctoral research experience and/or 2+ years of experience in applied industry research to include experience in wet chemistries
- Understanding of colloidal science, inorganic chemistry, surface science, particles, and polymers
- Demonstrated track record in generating innovative ideas and transforming creative concepts to new products
- Results-oriented self-starter, capable of setting goals and then planning and executing complex research projects
- Flexible, highly creative, innovative, and committed to continuous learning

Ph.D in Chemistry, Chemical Engineering, or related degree/discipline with expertise in Colloidal Science and Particle Synthesis preferred

**To apply, please submit your application online at** [www.cabotcmp.com](http://www.cabotcmp.com).
Cabot Microelectronics Corporation, headquartered in Aurora, Illinois, is the world's leading supplier of CMP polishing slurries and a growing CMP pad supplier to the semiconductor industry. The company's products play a critical role in the production of advanced semiconductor devices, enabling the manufacture of smaller, faster and more complex devices by its customers. The company's mission is to create value by developing reliable and innovative solutions, through close customer collaboration, that solve today's challenges and help enable tomorrow's technology. Please visit Cabot Microelectronics for more information on our company.