

Scott Brown

Industry

Who am I?

Technical Leadership Role: “Principle Scientist/Investigator”

Company: Chemours

- Mixed Role: Product Development and Regulatory/Product Stewardship
 - Particle Science Laboratory
 - Regulatory Knowledge Cluster

“Problem Identification & Problem Resolution”

External

Chair, ANSI ISO TC 229 “Nanotechnologies” WG1 “Terminology & Nomenclature”

Chair, ACC Nanopanel

OECD WPMN

What am I working on?

- **Innovation**

- Proprietary characterization techniques and methods (plant to lab scale)– What's different?
- Product development – Some including nano some not? What's the benefit?
- Safer by design

- **Regulatory**

- OECD WPMN – Physical Chemical Decision Framework & Guiding Principles for Measurement & Reporting → Focus on purpose not technique / Though process and guide for Improving communication / selecting & improving methods.

- **Standards**

- ISO TC 229 – Moving from Terminology to Nomenclature... simplifying communications reducing redundancy

- **Academic Engagement**

- Coordinating innovation projects with local universities.
- Recent: Industry / Academia Expert meeting Slurries & Suspensions

How did I get here?

- Undergraduate Research – University of Florida NSF ERC PS&T
 - Microelectronics / Surfactants / CMP / Particle Characterization / Industry Engagement
- Continued as graduate student at ERC
 - Surface Forces / Surface Chemistry / Adsorption Science / Interfacial Phenomena
- 2004 – NIEHS / UF Workshop: Developing Experimental Approaches for the Evaluation of Toxicological Interactions
 - Nanotoxicology research / physicochemical characterization research
 - Multimodal Nanoparticles / biomedical applications
 - Nanostructure Surface Affinity methods (NSF NER Grant)
- PhD – Nanoscale tribology in pleural space
- Research Faculty – PERC / MSE UF → Cancer Nanotechnology/ Nanomedicine/ Space dust/ Particle interaction fundamentals
- Joined DuPont 2011. Lead- Corporate Particle Characterization Laboratory
- EC Definition of Nanomaterial
- Joined DuPont Nanotechnology Advisory Team – Physico-Chemical Characterization Lead
- Involvement in industry consortia & OECD / ISO
- Chemours Spun in 2014