

DuPont Tours for NAE Frontiers of Engineering Symposium

Tour	Tour details
Biofuels	Biofuels research overview, followed by tour of research labs involved in ethanol production, from feedstock pretreatment, saccharification, fermentation, and separation.
Thin Film Photovoltaic Ink	Overview of the discovery process to develop new conductive inks for thin film PV cells. Tour of research labs associated with precursor synthesis, film formation, annealing, device fabrication and device characterization
Biomaterials	Introduction to the Bio-PDO to Sorona process. Lab tour includes visits to the high throughput screening facility, fermentation laboratory, and Sorona spinning area.
Soybean Transformation	Highlights of DuPont Pioneer's crop genetics program, followed by tour of gene transformation laboratory, demonstration of 3D microscopy of plant diseases, and tour of soybean growth chambers.
Solar Innovations	Overview of DuPont's role in the solar energy market. Group will tour characterization and testing laboratory.
Tire Testing	Hosted by DuPont Engineering Technology (DuET), lab tour features tools and methods for testing tires and parts, including braking and acoustic cylinders, visco-elastic cords, Kevlar EE in tread blocks, cornering stiffness tests, tire and material modeling, rolling resistance program.
Automotive Lightweighting	DuET-hosted overview and laboratory demonstration of testing and modeling of composite materials, ballistics testing and acoustics testing of automotive materials.