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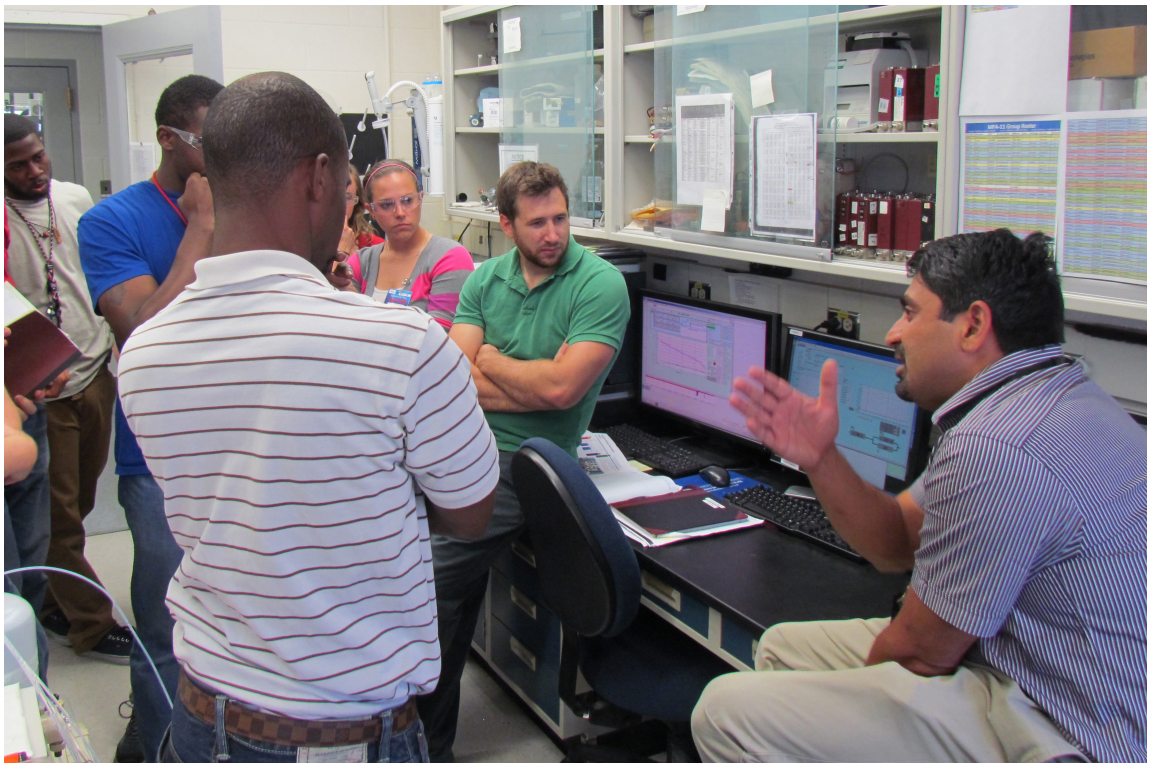
Los Alamos offers participants hands-on experience with renewable energy technology
For three days at Los Alamos National Laboratory, members of industry and academia explored the science and technology of fuel cells, taking notes as Laboratory researchers shared their expertise and showcased the capabilities they use to design fuel cell prototypes and analyze fuel cell performance.

In support of the U.S. Department of Energy's (DOE) Technology-to-Market activities in the Office of Energy Efficiency and Renewable Energy, Los Alamos researchers hosted the hands-on short course on fuel cells. The DOE's Fuel Cell Technology Office Technology-to-Market activities efforts place emphasis on national laboratories increasing their industrial contacts, engaging more companies, and developing technology skills.

Fourteen participants from industry, universities, and colleges attended, including from Giner, Inc.; Pajarito Powders, LLC; University of Delaware; Pittsburg State University; University of New Mexico; New Mexico State University; Southern University; Tuskegee University; and Benedict College.

During the workshop, participants gained valuable insight by interacting and working alongside the Los Alamos fuel cell team, including taking part in laboratory demonstrations analyzing fuel cell performance, cyclic voltammetry, and impedance spectroscopy and learning about hydrogen and lab safety, the Laboratory's membrane-and-electrode process, and fuel cell materials characterization, modeling, durability, and testing.

Los Alamos remains at the forefront of fuel cell research and development, and its leadership and commitment have been instrumental in supporting DOE R&D efforts. The DOE funded this effort under Office of Energy Efficiency and Renewable Energy's Technology-to-Market activities initiative. The work supports the Laboratory's Energy Security mission area and the Materials for the Future science pillar through development of fuel cells for clean transportation.



Materials Synthesis and Integrated Devices (MPA-11) scientists Rangachary Mukundan (*seated*) and Tommy Rockward (*left, foreground*), during a demonstration in their fuel cell laboratory.

