

New Technical Committee on Nanomaterials for Energy
Chair: TBD

Basic and applied research in nanoengineering is expected to make fundamental breakthroughs in nanostructured materials that will enable development of efficient and low-cost energy systems for energy generation, storage, and transportation. For example, materials and structures that are designed and fabricated at the nanoscale offer the potential to enhance efficiencies and reduce costs in solar photovoltaic systems, solar thermal systems, thermoelectrics, fuel cells, high specific-strength materials for transportation, and other energy technologies. The proposed technical committee on Nanomaterials for Energy is expected to bring together different disciplines related to the energy technology. The committee will review the current state of knowledge in the field of nanomaterials, functional surfaces, and nanostructured coatings for efficient energy systems, as well as discuss their novel applications, current challenges, and opportunities.