

**DRIVERS OF NANOTECHNOLOGY STANDARDIZATION AND THE
ROLE OF STANDARDS DEVELOPING ORGANIZATIONS**

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The question of whether standards in nanotechnology are needed now has become redundant as various nanotechnology stakeholders have clearly articulated their needs to document processes, clarify terminology, facilitate uniform measurements and repeatable results, and characterize materials. This common call for a diverse array of standards from industry, academia, government and Wall Street has been documented, and Standards Developing Organizations (SDOs) have moved to fill the gap. The SDOs are helping insure the integrity of nanotechnology standards, maximize adoption, and gain public confidence in nano-based products. This presentation looks at which nanotechnology stakeholders are driving nascent standards work and how they are likely to benefit. We report on how collaboration between SDOs and the nanotechnology community is therefore creating a powerful force to support the commercial promise of nanotechnology. The presentation concludes by discussing the steps to formation of new standards projects, the standards initiatives currently underway and the findings of the IEEE Nanotechnology Standards Roadmap Workshop as a guide for future standards activities.