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Professor **Mark Tuominen** is the Director of the National Nanomanufacturing Network, Co-Director of the NSF Center for Hierarchical Manufacturing, and a Professor in Physics at the University of Massachusetts Amherst. He has a Bachelor's degree in Chemical Engineering (1986) and a PhD in Condensed Matter Physics (1990), both from the University of Minnesota. He has worked previously in the manufacturing industry sector and currently in academia as a scientist and educator. His current research includes nanomanufacturing, magnetism, nanoscale charge transport, energy devices, nanoinformatics and project-based learning. In 2010 Professor Tuominen testified to the House Committee on Science on nanomanufacturing and was a contributing author to the recent comprehensive report "Nanotechnology Research Directions for Societal Needs in 2020: Retrospective and Outlook" (Springer, 2011). He serves as a U.S. delegate to the ISO TC-229 Committee on Nanotechnologies as leader of the ISO nanomanufacturing terminology project.