

**Mark Tuominen***Nanomanufacturing Advancements and Nanoinformatics*

The last decade has seen great advancements in the development of scalable methods for manufacturing nanoscale materials and devices. This presentation will highlight a sample of the scalable nanomanufacturing processes emerging from the NSF Center for Hierarchical Manufacturing. This presentation will also highlight existing and potential efficiencies for nanomanufacturing as identified through recent activities of the National Nanomanufacturing Network (NNN). The NNN is an alliance of academic, government and industry partners that cooperate to advance nanomanufacturing in the United States. Informatics in support of nanomanufacturing is an important new dimension that will foster efficiencies and extensibility of processes. The NNN is funded by the National Science Foundation through grant CMMI-1025020 Center for Hierarchical Manufacturing.