

Panel 2: Self-assembly

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This panel talks will focus on recent accomplishments in the field of self-assembly and key future challenges of broad interest to the community. The panel will cover topics from synthesis of well-defined building blocks for self-assembly, inverse problems in molecular design, dynamic assembly Vs static structures, self-assembly at multiple length scales, identifying parameters and dictating non-equilibrium processes, technological challenges in scalability of self-assembled nanomaterials, controlling defects in assembly, as well as theory and simulation challenges.

Padma Gopalan is a Professor of Materials Science and Engineering and Professor of Chemistry at University of Wisconsin-Madison. She is currently serving as the director of the University of Wisconsin-Madison, Nanoscale Science and Engineering Center (NSEC). She is the recipient of NSF CAREER award.