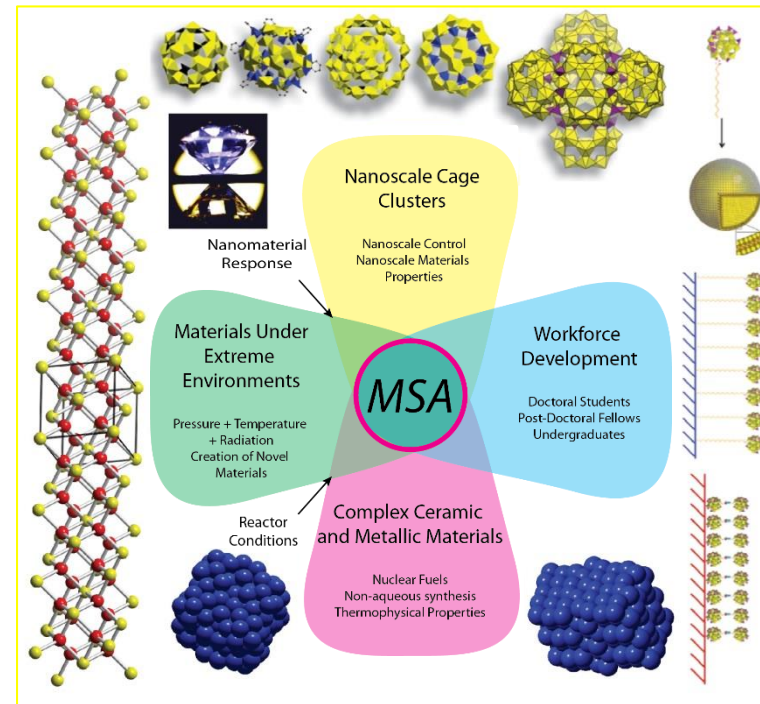


Materials Science of Actinides (MSA)

Peter C. Burns (University of Notre Dame)

The MSA EFRC seeks to conduct transformative research in the actinide sciences with full integration of experimental and computational approaches, and an emphasis on research questions that are important to the energy future of the nation. Workforce development is a motivating goal.

<http://msa-efrc.com>



RESEARCH PLAN

This EFRC blends experimental and computational approaches to study highly complex actinide materials (such as materials for fuels, waste forms, or separations), with an emphasis on the nanoscale. The behaviors and properties of such materials in extreme environments of radiation and pressure is a major focus of this research.



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