This symposium and workshop, organized under the aegis of the UB 2020 Strategic Strength in Integrated Nanostructured Systems, will bring together world-class researchers exploring the science, technology, and applications of nanoscale materials and devices.

Materials of interest include semiconductors, metals, biomolecules and polymers, whether prepared as free nano-objects by bottom-up processing, or carved from bulk material by top-down nanopatterning. Applications of interest range from spintronics to biomedicine and generally fall outside the scope of conventional semiconductor technologies. University at Buffalo research strengths in nanomedicine, nanophotonics, and semiconductor spintronics will be highlighted.

Distinguished speakers from academia, industry, and government will provide perspectives on these and other exciting areas of research in nanomaterials and nanodevices. In addition to these invited lectures, a poster session will allow all participants, especially students, to showcase their own research activities. Ample time for informal discussion and networking will be provided.

To register, visit www.ubevents.org/regengine/event_page.php.