



**CENTER FOR NANOHYBRID
FUNCTIONAL MATERIALS**

**MONDAY
DECEMBER 9, 2013
2:30 – 4:30 PM
237 SCOTT ENGR.
CENTER -UNL**



Dr. Yong Mei Chen

Professor, School of Science, Department of Chemistry
Xi'an Jiaotong University, China

Hydrogels: from morphology controllable nanoparticles to self-healing materials

Hydrogels are being developed for diverse applications such as tissue engineering and soft machines. Professor Yong Mei Chen has research experience in functional hydrogels including soft cell culture scaffolds, tough hydrogels, magnetic hydrogels, luminescent hydrogels and self-healing hydrogels.

Professor Chen will present her research on functional hydrogels including synthetic hydrogel scaffolds for manipulating cell behaviors, morphology controllable Fe_3O_4 nanoparticles/hydrogel magnetic nanocomposites, novel phosphorescent hydrogels based on an Ir III metal complex, dextran-based self-healing hydrogels formed by a reversible Diels–Alder reaction, as well as research on strengthening alginate/polyacrylamide hydrogels.

Seminar hosted by Dr. Ming Han, UNL Department of Electrical Engineering



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