



DREXEL-SARI CENTER FOR GLOBAL RESEARCH AND EDUCATION

COLLABORATIVE RESEARCH IN ENERGY AND THE ENVIRONMENT

Program Overview

Collaboration – Innovation – Dedication – Cooperation - these are the guiding principles for the Drexel-SARI Center which was officially opened on June 6, 2012. The Center combines Drexel University's research and educational excellence with the pioneering work in technology innovation of the Shanghai Advanced Research Institute (SARI) of the Chinese Academy of Sciences (CAS).

In order to encourage Drexel and SARI investigators to find synergies in their research on energy and the environment, the Center established a competitive funding process to identify and provide seed funds to research teams comprised of Drexel and SARI investigators seeking to advance the frontiers of energy and the environment. As a result of this process, we awarded three teams collaborative grants of \$150,000 each, beginning in 2014. It is expected that the research teams will apply for follow-on funding through external sources and enhance the collaboration between SARI and Drexel and the strength of our joint Center.

The awardees are:

Novel Porous Metal Organic Framework (MOF) Materials for CO₂ Uptake and Other Energy Applications,

Drexel – PI: Hai-Feng (Frank) Ji, Department of Chemistry, COAS; Co-PI: Karl Sohlberg, Department of Chemistry, COAS

SARI – PI: WEI Wei, Center for Greenhouse Gas and Environmental Engineering; Co-PI: CHEN Xinqing, Center for Greenhouse Gas and Environmental Engineering

PtM Intermetallic Electro-nanocatalysts: Controlled Synthesis, In situ TEM Observation of Phase Transformation, and Application in Fuel Cell

Drexel – PI: Mitra Taheri, Materials Science and Engineering, COE

SARI - PI: LI Xue-Mei, SARI

Drexel-SARI Co-Research and Education on Low Carbon and Healthy City Technology

Drexel – PI: Longjian Liu, Epidemiology & Biostatistics, SPH; Co-PI: Charles Nathan Haas, Civil, Architectural, and Environmental Engineering, COE

SARI – PI: WANG Mingquan, Center for Clean Energy Technology; Co-PI: HUANG Weiguang, Center of Clean Energy Technology