

**HOUSING EDUCATION AND RESEARCH CENTER (HERC)
Construction Management Program
School of Planning, Design and Construction
Michigan State University
112 Human Ecology Building
E. Lansing, MI 48824
<http://www.spdc.msu.edu/cm/herc/>**

Mr. Paul Streng, Executive Director
Dr. Matt Syal, Research Director

Annual Report - 2007

ORGANIZATION

The Housing Education and Research Center (HERC) is a part of the Construction Management group in the School of Planning, Design and Construction. The center was established in 1995 and became a member of the National Consortium of Housing Research Centers in January 1996.

The School of Planning, Design and Construction was established at Michigan State University on July 1, 2004. It consists of majors in Construction Management, Interior Design, Landscape Architecture, and Urban & Regional Planning. The school began offering a new Ph.D. degree program in Construction Management from July 2005. Both, the school and the Ph.D. program have "Housing" as one of the key focus areas.

I. Funded Research and Outreach Projects

1. Sustainability

- Impact of LEED® projects on CM Practices, 2006-07
AGC Education & Research Foundation
Project Investigator: M. Syal
- An Analysis of the MSU Construction Standards in the context of LEED, 2006-07
MSU Engineering and Architectural Services, Campus Planning and Administration, and Construction Maintenance and Interior Design
Project Investigator: T. Mrozowski
- Increasing Energy Efficiency in University Housing, Continuation Grant, 2006-07
State of Michigan Energy Office Rebuild Michigan Program
Project Investigator: T. Mrozowski

- Sustainable Planning, Design and Construction: Value Added Impact on Built Environment Industries, 2006-08
Environment Science & Policy Program, Michigan State University
Project Investigators: M. Syal and R. LaMore

2. International

- Green Building Guidelines in the U.S. and India, 2007-09
GATI Initiative - MSU and U.S. Dept. of Education
Project Investigators: M. Syal and R. LaMore
- Executive Training Program for professionals from Korean National Housing Corporation (KNHC) and Korean Land Corporation (KLC), 2007
M. Syal, T. Mrozowski, and T. Abdelhamid

II. Theses and Project Reports

- S. Mago and Syal, M. (2007) – Impact of LEED®-NC Projects of Constructors and Construction Management Practices, M.S. Thesis in Construction Management, School of Planning, Design and Construction, Michigan State University, MI
- Ongoing theses
 - a. Singh, A. and Syal, M., “Sustainable Built Environment and Health with focus on IEQ,” M.S. thesis
 - b. Berghorn, G., and Syal, M., “Life Cycle Assessment and Sustainable Built Environment with focus on Brownfield Development,” Ph.D. thesis

III. Student Activities

1. Student Builders and Contractors Association (SBCA)

SBCA is affiliated with NAHB and AGC with membership open to students from CM and affiliated majors. For many years, its membership has exceeded 100, placing it among the top 5 nationally recognized active student builder organizations. Some of the annual projects SBCA undertakes each year are - the Construction Management Career Fair (with over 40 employers attending), Habitat for Humanity, Safety Day, and sponsoring a team in the NAHB residential competition, etc. The MSU students secured 1st place in 2004 NAHB competition. In addition, four NAHB/ Greater Lansing HBA scholarships, totaling \$7,000, were awarded to MSU CM students in 2007. Mr. Paul Streng is serving as the faculty advisor and Mr. Jed Dingens is serving as the competition team coach for 2007-08.