

**Final Report for Period:** 04/2005 - 03/2006

**Principal Investigator:** Wachs, Israel E.

**DOE Prime No.:** DE-FG02-05ER15644

**Organization:** Lehigh University

**Title:**

Request for Kokes Awards for the 19th North American Catalysis Society Meeting; May 21-28, 2005; Philadelphia, PA

### Project Participants

#### Senior Personnel

**Name:** Wachs, Israel

**Worked for more than 160 Hours:** Yes

**Contribution to Project:**

**Name:** Chen, Jingguang

**Worked for more than 160 Hours:** Yes

**Contribution to Project:**

### Organizational Partners

#### North American Catalysis Society

Support for Kokes travel grants to US graduate students (free banquet dinners) and waived conference registration fees.

### Activities and Findings

#### Research and Education Activities:

The major activity can be considered educational.

US Graduate students engaged in catalysis research were given travel grants to attend the 19th North American Catalysis Society meeting. This opportunity allowed the graduate students to learn from and engage various catalysis research topics. This kind of educational opportunity is priceless.

#### Findings:

The meeting and graduate student-researcher interactions were a huge success.

**Training and Development:**

The interactions and exposure to the latest scientific developments have significantly impacted the research skills of the graduate students and will be reflected in their research in the coming years.

**Outreach Activities:**

none with regard to this grant.

**Contributions****Contributions within Discipline:**

The experience and interactions significantly contribute to the educational development and quality of catalysis research in the US in the coming years.

**Contributions to Other Disciplines:**

Heterogeneous catalysis deals with interfaces, and interface engineering cuts across almost all disciplines.

**Contributions to Human Resource Development:**

Exposure of the graduate students to the cutting edge research activities in catalysis has significantly enhanced their educational development and technological applications of their research.

**Contributions to Resources for Research and Education:**

The new information and contacts established at the meeting will significantly enhance the quality and impact of the graduate students' research activities.

**Contributions Beyond Science and Engineering:**

The technological issues that the graduate students are researching (e.g., air pollution) will have significant impact on the public welfare in coming years. Thus, improving the graduate students' educational ability will positively impact on their technological solutions affecting public welfare.