

**COP-032**

**Widening the CS/IT Pipeline with Multimedia and Intelligent Tutoring**

**Glenn D. Blank**

Associate Professor, Department of Computer Science and Engineering,  
Lehigh University

**Henry U. Odi**

Director, Academic Outreach at Lehigh University

**Ms. Fang Wei**

Graduate Student, Department of Computer Science and Engineering, Lehigh University

**Ms. Shahida Parvez**

Graduate Student, Department of Computer Science and Engineering, Lehigh University

**Ms. Sally Hiestand**

Graduate Student, Department of Computer Science and Engineering,  
(NSF Teaching Fellow) Lehigh University

**Mr. Adrian Ramsay**

Undergraduate Student, Department of Computer Science  
(NSF Teaching Fellow) Lehigh University

**Mr. Jonathan Morgan**

Undergraduate Student, Department of Computer Science  
(NSF Teaching Fellow) NCC

**Industry Participants**

CHI Systems

**Abstract**

For this project, we will study the impact of this intelligent e-learning environment on the first year students at Lehigh University. In the context of the NSF GK-12-sponsored Lehigh Valley Partnership for STEM Teaching Fellows (LVPTF) project and Lehigh University's Students That Are Ready (S.T.A.R.) outreach program, we will also study its impact on high school students.