Spring 2012 Colloquium
Temple University
Computer and Information Sciences

**PL/SQL Performance Tuning Using Bind Variables**
Xinqi Li
University of North Carolina at Pembroke
Friday 3/2, 2pm, Wachman 1015D

**Abstract:**
In this talk, the impact of using bind variables on the performance of PL/SQL code will be examined using an Oracle database. The architecture of Oracle will be illustrated first. Then processing of SQL statements will be detailed. The concepts of hard parse, soft parse, and bind variables will be introduced. Practical examples of using bind variables to enhance performance will be demonstrated. The internal mechanism for such performance improvement will be explained using supporting data.

**Bio:**
Xiuqi Li is an Assistant Professor in the Department of Computer Science and Mathematics at the University of North Carolina at Pembroke (UNCP), Pembroke, North Carolina, USA. Prior to joining UNCP, she worked as a senior instructor at Florida Atlantic University, Boca Raton, Florida, USA for five years. She earned a Faculty Summer Research Fellowship in 2010. She has served as program committee member and session chair in 12 conferences. She has 26 peer-reviewed journal and conference papers. Her research interests include databases, network security, software engineering, and multimedia. She is a member of the ACM and the IEEE.