The College of Engineering and Computer Science
is pleased to announce a distinguished speaker presentation hosted by
the Ohio Center of Excellence in Knowledge-enabled Computing, (Kno.e.sis)

Title: Supporting Adaptable Granularity of Changes for Massive Scale Collaborative Editing
Speaker: Luc Andre
Date: October 30, 2013
Time: 1:00 pm
Place: 399 Joshi

Abstract:
Since the Web 2.0 era, the Internet is a huge content editing place in which users contribute to the content they browse. Users do not just edit the content but they collaborate on this content. Such shared content can be edited by thousands of people. However, current consistency maintenance algorithms seem not to be adapted to massive collaborative updating. Shared data is usually fragmented into smaller atomic elements that can only be added or removed. Coarse-grained data leads to the possibility of conflicting updates while fine-grained data requires more metadata. In this discussion we offer a solution for handling an adaptable granularity for shared data that overcomes the limitations of fixed-grained data approaches. Our approach defines data at a coarse granularity when it is created and refines its granularity only for facing possible conflicting updates on this data.