

Lecture by Dr. Rammohan Ragade, University of Louisville, Kentucky, USA

Organizer: ACE, Comp. Tech. Dept.

Date 12th December 2008, Time 10:00 am - 12:00noon

The outline of the talk:

- What are sensor networks?
- Motivation from Application areas especially forest resource management issues.
- Types of problems and applications.
- Challenges at the system and systemic levels.
- Inspiration for solutions from biology and natural systems
- Example of swarms for simple AI to agents
- What are coverage issues.
- Coverage algorithms
- Implementation, testing and computational challenges in Sensor Networks.

Abstract: This colloquial is a perspective on some challenges for computer science in the system integration and management of integrating large sensor networks. Towards these, inspirations from natural systems have been found to have value for systems architecture and design.

About 35 students attended the seminar. Some faculty members were also present for the same. The interaction between students and Dr. Ragade was very encouraging. He has also given tips to students on how and when to apply for Ph. D. at Univ. of Louisville.