

SEMINAR NOTICE

"Modeling Hospital Interactions: A Social Networks Approach"

Prof. Sriram Pemmaraju, University of Iowa

DATE & TIME: 02 January 2014, 3PM

VENUE: Seminar Room, SCIS

ABSTRACT

Healthcare-associated infections are a major cause of morbidity and mortality worldwide, but many of these infections are preventable. In this talk, I'll describe efforts by the Computational Epidemiology Research Group (<http://compepi.cs.uiowa.edu>) at the University of Iowa to minimize healthcare-associated infections at the University of Iowa Hospitals and Clinics. Our efforts span many areas of computer science - e.g., algorithms, data mining, and sensor networks - and also draw on expertise in infectious diseases and statistics.

Prof. Sriram Pemmaraju (BIO):

Sriram Pemmaraju is Professor in the CS dept. in University of Iowa. Broadly speaking, his research area is theoretical computer science. More specifically, his research interests are in distributed algorithms, approximation algorithms and combinatorial optimization, and combinatorics and graph theory. Recently, he has become interested in models and algorithms for social networks and is part of the Computational Epidemiology Group at Iowa. He has many journal papers and papers in highly prestigious conferences. He has co-authored a book "Computational Discrete Mathematics: Combinatorics and Graph Theory with Mathematica" along with Steven Skiena.

Dean, SCIS