

Nalin Saigal

Contact Information

Dept. of Computer Science and Engineering
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Research Interests

- **Software Engineering**
Improving software visualization, modularizing crosscutting concerns, software maintenance.
- **Software Security**
Policy enforcement and implementing policy-specification languages

Education

- **Ph.D., Computer Science (August 2006 - Present)**
University of South Florida, Tampa, USA
- **M.S., Computer Science (August 2009)**
University of South Florida, Tampa, USA
Thesis: IVCon: A GUI-based Tool for Visualizing and Modularizing Crosscutting Concerns
GPA: 3.58
- **B.Tech., Electronics and Communication Engineering (July 2006)**
Institute of Engineering and Technology, Bhaddal, India
Senior Project: Automated Guided Vehicle

Publications

- [1] IVCon: Inline Visualization of Concerns. Nalin Saigal and Jay Ligatti. Technical Report CSE-110909-SE, University of South Florida, November 2009.
- [2] Inline Visualization of Concerns. Nalin Saigal and Jay Ligatti. Proceedings of the *ACIS International Conference on Software Engineering Research, Management and Applications (SERA)*, December 2009.
- [3] LoPSiL: A Location-based Policy-specification Language. Jay Ligatti, Billy Rickey, and Nalin Saigal. Proceedings of the *International ICST Conference on Security and Privacy in Mobile Information and Communication Systems*, June 2009.
- [4] Defining and Visualizing Many-to-many Relationships Between Concerns and Code. Nalin Saigal and Jay Ligatti. Technical Report CSE-090608-SE, University of South Florida, September 2008.

Teaching Experience

- **Fall 2007: Teaching Assistant**
COP 2510 Programming Concepts)
CDA 3201 (Computer Logic Design)

Industrial Experience

- **Industrial Training at HBE, Gurgaon, India**
July 2005
Studied various systems such as ILS, VCS, SMGCS, Security equipment and their integration with systems.
- **Industrial Training in IT at Perot Systems, Noida, India**
January 2005 - June 2005
Designed a web based report generation application for a supporting group of the company
- **Industrial Training in IT at Perot Systems, Noida, India**
July 2004
Designed submodules of a Library Management System

Activities

- Secretary, USF Chapter of IEEE - Computer Society
(August 2006 - August 2008)