

Registration for Seidenberg Faculty Institute 2011 on May 18-19, 2011

Seidenberg Faculty Institute (SFI) is a faculty development organization at Pace University with the objective of promoting courseware/curriculum/expertise sharing among the college faculty of computing programs, including computer science, information systems, information technology and software engineering, in the greater NYC area.

Seidenberg Faculty Institute 2011 will be held on May 18 and 19, 9:30AM - 3:30PM, in room 204 (faculty roundtable and lectures) and room 420 (labs) of *Pace University Graduate Center*, 1 Martine Ave., White Plains, NY 10606. This is an event open to all college faculty of computing programs in the greater NYC area as well as *Seidenberg School* alumni. Please visit <http://community.seidenberg.pace.edu/sfi/registration> to register today and reserve a seat. The registration is free and includes lunch on the event days. The lab seats are limited so please register as soon as possible.

The event schedule is as follows. No prerequisite is required to understand the lectures and complete the supporting labs other than you are a computing faculty or professional. You can bring home all the relevant courseware (lecture notes, slides, complete labs in form of portable virtual computers, evaluation questions and answers, and sample projects with solutions) and are encouraged to integrate them in your own courses. The SFI web site at <http://community.seidenberg.pace.edu/sfi> will have follow-up discussion forums to support the contents of this event.

May 18, 2011, Wednesday: [what is new in computing; enforcing courses with hands-on labs; working knowledge on Linux servers]

1. Faculty roundtable: overview of the latest computing technologies and curricula; and unique features of the renovated 30-credit *Master in Computer Science* program at Pace University with a strengthened program core and rich in-depth concentration options on the latest computing technologies.
2. Virtual Linux lab development: hands-on introduction to Linux; Linux virtual machine development; installation and use of Java JDK, Apache (with PHP support) and Tomcat web servers, and MySQL database server; deployment of web applications; and setup of a Drupal website with support for blogging, forums, RSS and polls.
3. Introduction to *web services* with labs on the Linux virtual machine just developed.

May 19, 2011, Thursday: [covering the main web technology and security topics required by the latest ACM CS/IT curricula]

1. Hands-on introduction to cryptography: symmetric secret key ciphers and public key ciphers; hash function and digital signatures; digital certificates.
2. Hands-on introduction to Java security: Java security framework; creating public/private keys and digital certificates; Java key management; securing file exchange; specifying security rights of applets and applications; acting as certificate authority and creating certificate chains to implement trust chains; and protecting computers from insecure applications.

3. Hands-on introduction to the web architecture, HTTP protocol, Java web technologies (servlets, JSP and JSF), and web security.

This SFI 2001 seminar series will be designed and delivered by Prof. Lixin Tao and Prof. Li-Chiou Chen of Pace University. Prof. Tao graduated from University of Pennsylvania and is a professor of computer science with the Seidenberg School. He is a senior IEEE member and ABET computer science national evaluator. Prof. Chen graduated from Carnegie Mellon University and is an associate professor of information systems with the Seidenberg School. Prof. Chen is the principal investigator for multiple research initiatives on computer/Internet/web security.

If you have questions, please submit them at <http://community.seidenberg.pace.edu/sfi/contact-us> or contact Prof. Lixin Tao at ltao@pace.edu. The *Seidenberg Faculty Institute* home site at <http://community.seidenberg.pace.edu/sfi> will officially launch in summer 2011 as a major regional platform for faculty and student brainstorming for computing innovation. Please visit this site and join this community (<http://community.seidenberg.pace.edu/sfi/user/register>) for updated information and more resources.

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