



## Computer Forensics for Fun or Profit

Saturday, November 13, 2010, 9:00 a.m. – 4:00 p.m.  
The Conference Center at Mercer County Community College  
Cost: \$125

This seminar is a “hands-on workshop” on computer forensics techniques.

Although forensics is a well-established discipline in biology, medicine, physics, materials and other sciences, its applications to computing are still relatively new. Television shows such as NUMB3RS and CSI have helped popularize the field by showing how algorithmic methods can be used to solve crimes.

Computer forensics involves more rigorous processes than those used for simply recovering deleted information from hard drives. This seminar will explain the detailed nature of computer forensics work, explore numerous legal and ethical concerns, and provide a hands-on opportunity to use some public domain and shareware tools in problem solving for simulated casework.

Topics to be covered (each topic will be followed by a brief computer-based exercise that reinforces the information discussed):

- Introduction to Computer Forensics
- Dangers of Identity Theft vs. File Sharing
- Data Security – Issues and Answers
- Voting Machines and Election Forensics
- Digital Multimedia Forensics
- Email, Phone and Network Forensics

**Rebecca Mercuri** is the CEO/CTO and lead forensic expert at Notable Software, Inc., the company she founded in 1981: [www.notablesoftware.com](http://www.notablesoftware.com). Her caseload has included matters involving contraband, child endangerment, murder, computer viruses and malware, wrongful work termination, class-action suits, copyright and patent infringement, and election recounts (most notably Bush vs. Gore). Dr. Mercuri has provided formal testimony and comment to the House Science Committee, the U.S. Commission on Civil Rights, the Election Assistance Commission, the National Institute of Standards and Technologies, the U.K. Cabinet, and numerous state legislatures and municipal bodies.

Dr. Mercuri is a senior life member of the Association for Computing Machinery, where she has authored the Security Watch feature and numerous guest columns of Inside Risks for *Communications of the ACM* magazine. She is a co-founder and past chair of Princeton ACM/IEEE Computer Society. She serves on the Computer Engineering adjunct faculty at The College of New Jersey, where she teaches a broad range of topics, including a senior engineering lecture/laboratory elective on Digital Forensics.

**NOTE:** This is a hands-on seminar. Participants need to bring a **laptop or notebook computer** with the following characteristics:

- The computer needs to have a **USB port** -- we will provide a pre-loaded thumbdrive with tools.
- The computer needs to be running some version of **Microsoft Windows** (preferably Windows XP, but other Windows OS will probably be OK -- sorry, the forensic tools will not run on MacOS or Linux).
- The computer needs **Microsoft Office** or **OpenOffice** installed (to read .doc, .ppt and .xls files).

A basic understanding of computer fundamentals (file systems, etc.) is the only course prerequisite, although IT professionals, computer scientists, engineers, and educators will gain useful information and insights from this course.

This event is limited to 50 participants (please register early to guarantee a seat).

**ADVANCE REGISTRATION REQUIRED** – fill out the registration form on the next page.

<p>The registration fee includes the seminar course notes, a thumbdrive with tools and materials for the exercises, lunch, and morning and afternoon coffee breaks.</p> <p>Confirmed registrants will be notified and given location information by mail, provided registration is received at least one week before the seminar.</p> <p>Please make check payable to:  <b>PRINCETON CHAPTER OF ACM</b>          Mail check and form to:          Princeton Chapter of ACM          Treasurer, P. O. Box 1324          Princeton, NJ 08542</p>	<p style="text-align: center;"><b>PRINCETON CHAPTER OF ACM/IEEE COMPUTER SOCIETY          FALL 2010 PROFESSIONAL DEVELOPMENT SEMINAR          REGISTRATION FORM</b></p> <p>Name: _____</p> <p>Business Affiliation: _____</p> <p>Address: _____</p> <p>City, State, Zip: _____</p> <p>Telephone: ( ) _____</p> <p>Email address: _____</p> <p>Check if address is: <input type="checkbox"/> Home <input type="checkbox"/> Business          Seminar: <u>Computer Forensics – November 13, 2010, 9am-4pm</u>          Registration: <input type="checkbox"/> \$125</p> <p><b>ADDITIONAL INFORMATION:</b>          Jan Buzydlowski (610) 902-8343, <a href="mailto:janb@cabrini.edu">janb@cabrini.edu</a>          David Soll (610) 822-3150, <a href="mailto:dsoll@ieee.org">dsoll@ieee.org</a>          web page: <a href="http://princetonacm.acm.org">http://princetonacm.acm.org</a></p>
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**0.6 Continuing Education Units (CEUs) are optionally available for this seminar  
A \$15 fee is required for issuing the credits, payable at the seminar**

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