

# Seminar Schedule – Spring 2006

Class #	Date	Presentations on state-of-the-art research for current topic	Topic	Presentations on survey papers for next topic
8	Mar 9, 2006	<ul style="list-style-type: none"> <li>• <a href="#">#7B-Jamal Khan</a></li> <li>• <a href="#">#7D-Aron Schatz</a></li> <li>• <a href="#">#7F-Iraban Mukherjee</a></li> <li>• <a href="#">#8A-Kil Chung</a></li> <li>• <a href="#">#8B-Rajnikant Vadi</a></li> <li>• <a href="#">#8C-B. Ramachandran</a></li> </ul>	Network security: IP networks, QoS,	<ul style="list-style-type: none"> <li>• <a href="#">#8D-Nashwa Farag</a></li> <li>•</li> <li>•</li> </ul>
9	Mar 23, 2006	<ul style="list-style-type: none"> <li>• <a href="#">#8E-Michael Reekie</a></li> <li>• <a href="#">#9A-Jonathan Lugtu</a></li> <li>• <a href="#">#9B-Paul Harrison</a></li> <li>• <a href="#">#9C-V. Prattipati</a></li> </ul>	Network security: IPv6, SSL, VPNs, key distribution	<ul style="list-style-type: none"> <li>• <a href="#">#9D-Senad Kirlic</a></li> <li>• <a href="#">#9E-Dennis Aguirre</a></li> </ul>
10	Mar 30, 2006	<ul style="list-style-type: none"> <li>• <a href="#">#9F-Jonathan Lugtu</a></li> <li>• <a href="#">#8F-Jamal Khan</a></li> <li>• <a href="#">#10A-Nicole Robinson</a></li> <li>• <a href="#">#10B-Jonathan Chia</a></li> <li>• <a href="#">#10C-Sridevi Kunta</a></li> </ul>	Security Protocols: hashing, zero-knowledge proofs, bit commitment	<ul style="list-style-type: none"> <li>• <a href="#">#10D-Rajnikant Vadi</a></li> <li>• <a href="#">#10E -S.Yuenyongkunlawut</a></li> <li>• <a href="#">#10F-Rafael Vanderpool</a></li> </ul>
11	Apr 6, 2006	<ul style="list-style-type: none"> <li>• <a href="#">#11A-Ali Afzal</a></li> <li>• <a href="#">#11B-Adarsh Atikukke</a></li> <li>• <a href="#">#11C-Baohus Zhou</a></li> </ul>	more protocols: voting, digital cash, contract signing, secret sharing	<ul style="list-style-type: none"> <li>• <a href="#">#11D-N. Fukuoka-Schreiber</a></li> <li>• <a href="#">#11E- Shamin Akhtar</a></li> <li>• <a href="#">#11F-Sridevi Kunta</a></li> </ul>
12	Apr 13, 2006	<ul style="list-style-type: none"> <li>• <a href="#">#12A-Koti Maddirala</a></li> <li>• <a href="#">#12B-S.Yuenyongkunlawut</a></li> <li>• <a href="#">#12C- Nicole Robinson</a></li> <li>• <a href="#">#12D-Ali Afzal</a></li> </ul>	TEMPEST, miscellaneous topics	

# Seminar Requirements

- Your presentation should be about 15-20 minutes
- You may use whatever presentation materials you prefer (PowerPoint slides are preferred, but a chalk-talk is OK, too). If you bring your materials on a USB drive, check with me first to see if I have an application to read the files. I have PowerPoint2000, Visio2002, Adobe 6.0, Netscape 7.2/8.0, Firefox, and other such applications (but not a good LaTeX reader)
- Your presentation should cover the following items:
  - If your paper is a survey-type paper:
    - What is the background of the issues addressed, e.g., how long has this been an issue, who are some of the people who have looked at it?
    - What progress does the author present in the field?
    - What open research problems did the author identify?
    - Have they been addressed in the interim?
  - If your paper is a state-of-the-art research paper:
    - What novel concepts does the author present?
    - What security problem(s) are they trying to solve?
    - What (if any) new areas for research does the author present for further work?

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3	Feb 2, 2006	<ul style="list-style-type: none"> <li>• <a href="#">#3A-Carlos Castro</a></li> <li>• <a href="#">#3B-Iris Bundang</a></li> <li>• <a href="#">#3C-Senad Kirlic</a></li> </ul>	Secure system design: DB inference, covert channels	<ul style="list-style-type: none"> <li>• <a href="#">#3D-Iraban Mukherjee</a></li> <li>• <a href="#">#3E-Jonathan Chia</a></li> <li>• <a href="#">#3F-Carlos Castro</a></li> </ul>
4	Feb 9, 2006	<ul style="list-style-type: none"> <li>• <a href="#">#4A-Rafael Vanderpool</a></li> <li>• <a href="#">#4B-N. Fukuoka-Schreiber</a></li> <li>• <a href="#">#4C-S. Yuenyongkurlawut</a></li> </ul>	Trusted Systems: Information flow models	<ul style="list-style-type: none"> <li>• <a href="#">#4D-Paul Harrison</a></li> <li>• <a href="#">#4E-V. Prattipati</a></li> <li>• <a href="#">#4F-Baohua Zhou</a></li> </ul>
5	Feb 16, 2006	<ul style="list-style-type: none"> <li>• <a href="#">#5A-Dennis Aguirre</a></li> <li>• <a href="#">#5B-Aron Schatz</a></li> <li>• <a href="#">#5C-Nashwa Farag</a></li> </ul>	Authentication in distributed systems, Kerberos	<ul style="list-style-type: none"> <li>• <a href="#">#5D-Adarsh Atikukke</a></li> <li>• <a href="#">#5E-Rebecca Quinn</a></li> <li>• <a href="#">#5F-Ryan Gove</a></li> </ul>
6	Feb 23, 2006	<ul style="list-style-type: none"> <li>• <a href="#">#6A-Michael Reekie</a></li> <li>• <a href="#">#6B-Iraban Mukherjee</a></li> <li>• <a href="#">#6C-Shamin Akhtar</a></li> </ul>	Denial of service attacks on networks, end systems	<ul style="list-style-type: none"> <li>• <a href="#">#6D-B. Ramachandran</a></li> <li>• <a href="#">#6E-Kil Chung</a></li> <li>• <a href="#">#6F-Koti Maddirala</a></li> </ul>
7	Mar 2, 2006	<ul style="list-style-type: none"> <li>• <a href="#">#7A- Rebecca Quinn</a></li> <li>• <a href="#">#7C-Ryan Gove</a></li> </ul>	Network Security: ATM, network architectures, survivability	<ul style="list-style-type: none"> <li>• <a href="#">#7E-Iris Bundang</a></li> <li>• <a href="#">#7F-Iraban Mukherjee</a></li> </ul>

Each student will present one state-of-the-art research paper and one survey paper during the semester. Specific papers will be provided by the instructor.