

CPSC 570: Introduction to Research Paper Presentation Dates & Choices

Starting on September 22, we will be presenting research papers on various topics in this class. For each class meeting, one person will read and present the paper, giving a 20 – 40 minute presentation. During the presentation, the presenter should be prepared to answer any questions for clarification the audience may have regarding the paper. After the presentation, the whole class will discuss the paper. Every member of the class is required to read each paper being discussed. At the start of each class, I will collect the Technical Paper Summary Form (available via the class website). If you are presenting the evening, you are exempt from having to complete the summary form.

We need to schedule dates for speakers. With six students in the class, each of you will present three papers. One of your papers may come from your list of references for your Research Proposal document; however, you must have this paper approved by me before you present it to the class.

The following papers are ones that we will cover for the semester. If you have another paper that you feel may be interesting, please come see me and I may add/swap it on the list.

Software Engineering & Testing

Harrold, M. J. 2000. Testing: a roadmap. In *Proceedings of the Conference on the Future of Software Engineering* (Limerick, Ireland, June 04 - 11, 2000). ICSE '00. ACM, New York, NY, 61-72. DOI=<http://doi.acm.org/10.1145/336512.336532>

Ostrand, T. J. and Weyuker, E. J. 2002. The distribution of faults in a large industrial software system. In *Proceedings of the 2002 ACM SIGSOFT international Symposium on Software Testing and Analysis* (Roma, Italy, July 22 - 24, 2002). ISSTA '02. ACM, New York, NY, 55-64. DOI=<http://doi.acm.org/10.1145/566172.566181>

Hiller, M., Jhumka, A., and Suri, N. 2002. PROPANE: an environment for examining the propagation of errors in software. In *Proceedings of the 2002 ACM SIGSOFT international Symposium on Software Testing and Analysis* (Roma, Italy, July 22 - 24, 2002). ISSTA '02. ACM, New York, NY, 81-85. DOI=<http://doi.acm.org/10.1145/566172.566184>

Security

Jakobsson, M. and Myers, S. 2007. Delayed password disclosure. In *Proceedings of the 2007 ACM Workshop on Digital Identity Management* (Fairfax, Virginia, USA, November 02 - 02, 2007). DIM '07. ACM, New York, NY, 17-26. DOI=<http://doi.acm.org/10.1145/1314403.1314407>

Steganography

Adelsbach, A., Rohe, M., and Sadeghi, A. 2004. Overcoming the obstacles of zero-knowledge watermark detection. In *Proceedings of the 2004 Workshop on Multimedia and Security* (Magdeburg, Germany,

September 20 - 21, 2004). MM&Sec '04. ACM, New York, NY, 46-55. DOI=
<http://doi.acm.org/10.1145/1022431.1022441>

Francia, G. A. and Gomez, T. S. 2006. Steganography obliterators: an attack on the least significant bits. In *Proceedings of the 3rd Annual Conference on Information Security Curriculum Development* (Kennesaw, Georgia, September 22 - 23, 2006). InfoSecCD '06. ACM, New York, NY, 85-91. DOI=
<http://doi.acm.org/10.1145/1231047.1231066>

Parallel Programming

Agrawal, K., He, Y., and Leiserson, C. E. 2007. Adaptive work stealing with parallelism feedback. In *Proceedings of the 12th ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming* (San Jose, California, USA, March 14 - 17, 2007). PPOPP '07. ACM, New York, NY, 112-120. DOI=
<http://doi.acm.org/10.1145/1229428.1229448>

Iancu, C. C. and Strohmaier, E. 2007. Optimizing communication overlap for high-speed networks. In *Proceedings of the 12th ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming* (San Jose, California, USA, March 14 - 17, 2007). PPOPP '07. ACM, New York, NY, 35-45. DOI=
<http://doi.acm.org/10.1145/1229428.1229436>

Electronic Commerce

Blume, L., Easley, D., Kleinberg, J., and Tardos, E. 2007. Trading networks with price-setting agents. In *Proceedings of the 8th ACM Conference on Electronic Commerce* (San Diego, California, USA, June 11 - 15, 2007). EC '07. ACM, New York, NY, 143-151. DOI=
<http://doi.acm.org/10.1145/1250910.1250933>

Graphics

Debevec, P. 2008. Rendering synthetic objects into real scenes: bridging traditional and image-based graphics with global illumination and high dynamic range photography. In *ACM SIGGRAPH 2008 Classes* (Los Angeles, California, August 11 - 15, 2008). SIGGRAPH '08. ACM, New York, NY, 1-10. DOI=
<http://doi.acm.org/10.1145/1401132.1401175>

Fitzmaurice, G., Matejka, J., Mordatch, I., Khan, A., and Kurtenbach, G. 2008. Safe 3D navigation. In *Proceedings of the 2008 Symposium on Interactive 3D Graphics and Games* (Redwood City, California, February 15 - 17, 2008). SI3D '08. ACM, New York, NY, 7-15. DOI=
<http://doi.acm.org/10.1145/1342250.1342252>

Artificial Intelligence/Robotics/Human-Computer Interaction

Agogino, A. and Tumer, K. 2008. Regulating air traffic flow with coupled agents. In *Proceedings of the 7th International Joint Conference on Autonomous Agents and Multiagent Systems - Volume 2* (Estoril, Portugal, May 12 - 16, 2008). International Conference on Autonomous Agents. International Foundation for Autonomous Agents and Multiagent Systems, Richland, SC, 535-542

Robins, B., Dautenhahn, K., te Boekhorst, R., and Nehaniv, C. L. 2008. Behaviour delay and robot expressiveness in child-robot interactions: a user study on interaction kinesics. In *Proceedings of the 3rd ACM/IEEE international Conference on Human Robot interaction* (Amsterdam, The Netherlands, March 12 - 15, 2008). HRI '08. ACM, New York, NY, 17-24. DOI= <http://doi.acm.org/10.1145/1349822.1349826>

Höysniemi, J., Hämäläinen, P., and Turkki, L. 2004. Wizard of Oz prototyping of computer vision based action games for children. In *Proceedings of the 2004 Conference on interaction Design and Children: Building A Community* (Maryland, June 01 - 03, 2004). IDC '04. ACM, New York, NY, 27-34. DOI= <http://doi.acm.org/10.1145/1017833.1017837>