APPOINTMENT

Approving the appointment of Collin Lynch to serve as a member of Allegheny County Citizens' Election System Advisory Panel for a term to expire on December 31, 2007.
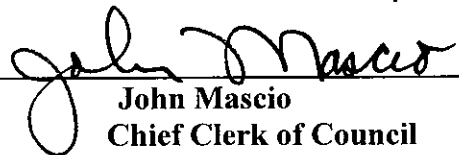
SPONSORED BY COUNCIL PRESIDENT FITZGERALD

In Council ___June 5___, 2007.

Received and filed.

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Rich Fitzgerald
President of Council

Attest: _____
John Mascio
Chief Clerk of Council

Collin Lynch

Intelligent Systems Program
5108 Sennott Square
University of Pittsburgh,
Pittsburgh, Pennsylvania
15260, USA

Phone: (412) 624-7039
Fax: (412) 624-8561
collinl@cs.pitt.edu
www.cs.pitt.edu/ collinl/

Education

Graduate Program in Intelligent Systems.
University of Pittsburgh, Pittsburgh, Pennsylvania, USA.
Graduate Student, Second Year.

B.A. in Computer Science with a focus on Artificial Intelligence.
Hampshire College , Amherst, Massachusetts, USA. Thesis: *"Computationally Simulated Evolution of Predator Catalyzed Signaling in Prey Populations."*
Awarded in May 2000.

Research

Graduate Research Assistant   2004 - Present
Professor Kevin D. Ashley, University of Pittsburgh
Pittsburgh Pennsylvania, USA
Hypothesis formation and testing in the Legal Domain.

Research Programmer   2000 - 2004
Professor Kurt VanLehn, University of Pittsburgh,
Pittsburgh Pennsylvania, USA
Help System development for the Andes Intelligent Tutoring System.

Research Assistant   1999 - 2000
Professor Lee Spector, Hampshire College,
Amherst Massachusetts, USA
Systems Development for the Agent-Islands project.

Research Programmer   1999
Professors Edward M. Reisman and Allen Hanson, University of Massachusetts,
Amherst Massachusetts, USA
Database development for the Aerial Biomass Estimation Project.

Research Assistant   1998 - 1999
Professor Lee Spector, Hampshire College,
Amherst Massachusetts, USA
Tool development for classroom instruction.

Volunteer Activities

ISP Film Series Director (2005 - Present)
Intelligent Systems Program, University of Pittsburgh, Pittsburgh, Pennsylvania, USA.

Voting Member, School of Cognitive Science. (1998 - 2000)
Faculty Board, School of Cognitive Science. Hampshire College, Amherst Massachusetts, USA.

Electronic Voting

- **Positions held:**

  - May 2006 - Present: *President Pro-tem VoteAllegheny*
  - November 2006 - Present: *Co-Chair Allegheny County Citizen's Advisory Council on Elections (CACE).*

- **Reports and Comments:**

  - Election Night Tabulation Report documenting the process of returns tabulation and open questions from the 2006 Mid-Term elections.
  - Comparative costs estimates for touch-screen and optical scanner systems in Allegheny County.

Book Chapters

Aleven, V., Ashley, K., Lynch, C., & Pinkwart, N. (Eds.) (2006). **"Proceedings of the Workshop on Intelligent Tutoring Systems for Ill-Defined Domains"** at the *8th International Conference on Intelligent Tutoring Systems.* Jhongli (Taiwan), National Central University.

Papers

Lynch, C., Ashley, K., Aleven, V., & Pinkwart, N. (2006). **"Defining Ill-Defined Domains; A literature survey."** In V. Aleven, K. Ashley, C. Lynch, & N. Pinkwart (Eds.), *Proceedings of the Workshop on Intelligent Tutoring Systems for Ill-Defined Domains at the 8th International Conference on Intelligent Tutoring Systems* (pp. 1-10). Jhongli (Taiwan), National Central University.

Aleven, V., Pinkwart, N., Ashley, K., & Lynch, C. (2006). **"Supporting Self-explanation of Argument Transcripts: Specific v. Generic Prompts."** In V. Aleven, K. Ashley, C. Lynch, & N. Pinkwart (Eds.), *Proceedings of the Workshop on Intelligent Tutoring Systems for Ill-Defined Domains at the 8th International Conference on Intelligent Tutoring Systems* (p. 47-55). Jhongli (Taiwan), National Central University.

Niels Pinkwart, Vincent Aleven, Kevin D. Ashley, & Collin Lynch **"Toward Legal Argument Instruction with Graph Grammars and Collaborative Filtering Techniques."** *In M. Ikeda, K. Ashley, & T. W. Chan (Eds.), Proceedings of the 8th International Conference on Intelligent Tutoring Systems.* Lecture Notes in Computer Science 4053 (p. 227-236). Berlin (Germany), Springer. (2006).

Pinkwart, N., Aleven, V., Ashley, K., & Lynch, C. (2006). **"Using Collaborative Filtering in an Intelligent Tutoring System for Legal Argumentation."** In S. Weibelzahl, & A. Cristea (Eds.), *Proceedings of Workshops held at the 4th International Conference on Adaptive Hypermedia and Adaptive Web-Based Systems.* Lecture Notes in Learning and Teaching (p. 542-551). Dublin (Ireland), National College of Ireland.

Vanlehn, K., Lynch, C., Schultz, K., Shapiro, J. A., Shelby, R. H., Taylor, L., Treacy, D. J., Weinstein, A., & Wintersgill, M. C. **"The Andes physics tutoring system: Five years of evaluations."** *G. I. McCalla and C.-K. Looi (Eds.), Proceedings of the Artificial Intelligence in Education Conference.* Amsterdam: IOS. (2005). **Winner of the Best Paper Award.**

Vincent Aleven, Kevin D. Ashley, & Collin Lynch.
"Helping Law Students to Understand US Supreme Court Oral Arguments: A Planned Experiment."
Proceedings of the 10th International Conference on Artificial Intelligence and Law. June 6-11, 2005 Bologna Italy. ACM (2005).

VanLehn, K., Bhembe, D., Chi, M., Lynch, C., Schulze, K., Shelby, R., Taylor, L., Treacy, D., Weinstein, A., & Wintersgill, M.
" Implicit versus explicit learning of strategies in a non-procedural cognitive skill."
Lester, J.C., Vicari, R.M., Paraguacu, F. (Eds.), 7th Conference on Intelligent Tutoring Systems, Berlin: Springer, pages 521-530. (2004).

VanLehn K, Lynch C, Taylor L, Weinstein A, Shelby R, Schulze K, Treacy D, & Wintersgill M.
"Minimally Invasive Tutoring of Complex Physics Problem Solving."
Cerri, SA, Gouarderes, G, Paraguacu, F (Eds.) Intelligent Tutoring Systems, 2002, 6th International Conference. Berlin: Springer, pages 367-376. (2002).

Journal Papers

Pinkwart, N., Aleven, V., Ashley, K., & Lynch, C. (2006, to appear). **"Schwachstellenermittlung und Rrückmeldungsprinzipen in einem intelligenten Tutorensystem für juristische Argumentation (Weakness Detection and Feedback Principles in an Intelligent Tutoring System for Legal Argumentation)."** To appear in *Tagungsband der 4. e-Learning Fachtagung Informatik der Gesellschaft für Informatik.*

VanLehn, K., Lynch, C., Schulze, K., Shapiro, J.A., Shelby, R., Taylor, L., Treacy, D., Weinstein, A., and Wintersgill, M. (2005). **"The Andes Physics Tutoring System: Lessons Learned."** *International Journal of Artificial Intelligence and Education, 15 (3).*

Presentations

Defining Ill-Defined Domains; A Literature Survey. Intelligent Tutoring Systems for Ill-Defined Domains Workshop 8th International Conference on Intelligent Tutoring Systems. Jhongli, Taiwan. 2006.

Hypothetical Games; A Research Overview. Intelligent Systems Program Seminar Series. Spring 2006.

"Helping Law Students to Understand U.S. Supreme Court Oral Arguments: A Planned Experiment."
10th *International Conference on Artificial Intelligence and Law.* Bologna Italy, 2005.

"Hypothetical Case Generation, A Proposed Model."
Intelligent Systems Program Seminar Series. Spring 2005.

Awards

Best Paper Award: Artificial Intelligence and Education Conference 2005
"The Andes Physics Tutoring System: Five Years of Evaluations."

Intelligent Systems Program First-Year Fellowship. 2004.

Software

VanLehn et al. *"Andes: an Intelligent Tutoring System for Physics."*
www.andes.pitt.edu (2004).

COUNTY OF ALLEGHENY

June 12, 2007

Collin Lynch
Intelligent Systems Program
5108 Sennott Square
University of Pittsburgh
Pittsburgh, PA 15260

Dear Mr. Lynch:

This is to inform you that at the Regular Meeting of Council held on June 5, 2007, Council approved your appointment to serve as a member to the Allegheny County Citizens' Election Systems Advisory Panel for a term to expire on December 31, 2007.

Congratulations on your appointment and best of luck in this undertaking. We look forward to receiving your recommendations and stand willing to assist you in any way you believe appropriate.

Sincerely,

John Mascio
Chief Clerk
Allegheny County Council

JM/fb