

PATENTS

- US8606773: Method for combining and processing web data using tables and programming-by-demonstration, 2013
- US8108829: Method for automating variables in end-user programming system, 2012
- US7987446: Method for automating variables in end-user programming system, 2011
- US5710894: Dynamic classes and graphical user interface for same, 1998
- US5678013: Multi-type subroutines for graphical rewrite rules, 1997
- US5566295: Extensible simulation system and graphical programming method, 1996

CONFERENCE CHAIRS

IEEE Symposium on Visual Languages and Human-Centric Computing, San Jose, CA, September 2013.

East-West Human Computer Interaction Conference, Moscow & St. Petersburg, Russia, 1992 - 1995.

KEYNOTES

IEEE Symposium on Visual Languages and Human-Centric Computing, Corvallis, OR, September 2009, <http://eecs.oregonstate.edu/vlhcc09/cypher-keynote.html>

Playground Project Workshop, Oporto, Portugal, April, 2001.

IHC'2000 Workshop on Human Factors in Computing Systems, Gramado, Brazil, October 2000.

Psychology of Programming Workshop, Milton Keynes, UK, January 1998.

OzCHI Conference, Hamilton, New Zealand, November 1996.

BOOKS

Cypher, Dontcheva, Lau and Nichols. "No Code Required: Giving users tools to transform the Web", Morgan Kaufmann, Boston, MA, 2010, 486 pages.

Cypher, Allen, ed. "Watch What I Do: Programming by Demonstration," MIT Press, Cambridge, MA, 1993. 652 pages.

PUBLICATIONS

A. Cypher, "Semiotic Engineering as Teaching." in Barbosa S., Breitman K. eds., *Conversations Around Semiotic Engineering*, Springer, 2017, pp. 65-69.

J. Chen, A. Cypher, C. Drews, J. Nichols, "CrowdE: Filtering Tweets For Direct Customer Engagements." *Seventh International AAAI Conference on Weblogs and Social Media*. 2013.

A. Cypher. "Automating Data Entry for End Users", *Proceedings of the 2012 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2012)*, Innsbruck Austria, October 2012, pp. 23-30.

J. Mahmud, A. Cypher, E. Haber, T. Lau, "Design and industrial evaluation of a tool supporting semi-automated website testing", in *Software Testing, Verification and Reliability*, 2012.

C. Scaffidi, C. Bogart, M. Burnett, A. Cypher, B. Myers, and M. Shaw. Using Traits of Web Macro Scripts to Predict Reuse, *Journal of Visual Languages and Computing*, Vol. 21, No. 5, 2010, 277-291.

C. Scaffidi, C. Bogart, M. Burnett, A. Cypher, B. Myers, and M. Shaw. Predicting Reuse of End-User Web Macro Scripts. *IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2009)*, Corvallis, OR, September 2009.

Allen Cypher, Tessa Lau, Jeffrey Nichols, Mira Dontcheva. "Workshop on End-User Programming on the Web" in *Extended Abstracts of CHI 2009*. April 4-9. pp. 4779-4782.

James Lin, Jeffrey Wong, Allen Cypher, Jeffrey Nichols, Tessa A. Lau. "End-User Programming of Mashups with Vegemite," In *Proceedings of IUI 2009*, Sanibel Island, FL. February 8-11. pp. 97-106.

C. Scaffidi, A. Cypher, S. Elbaum, A. Koesnandar, and B. Myers. Using Scenario-Based Requirements to Direct Research on Web Macro Tools. *Journal of Visual Languages and Computing*, Vol. 19, No. 4, Aug 2008, 485-498.

C. Bogart, M. Burnett, A. Cypher, and C. Scaffidi. End-User Programming in the Wild: A Field Study of CoScripter Scripts. *IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2008)*, Herrsching am Ammersee, Germany, September 2008.

de Souza, C. S. and Cypher, A., *Semiotic Engineering in Practice: Redesigning the CoScripter Interface*, *Proceedings of AVI 2008*, ACM Press, Naples, Italy, August 2008, pp. 165-172.

C. Scaffidi, A. Cypher, S. Elbaum, A. Koesnandar, J. Lin, B. Myers, and M. Shaw. Using Topes to Validate and Reformat Data in End-User Programming Tools. *Fourth Workshop on End-User Software Engineering (WEUSE IV)*, at the

International Conference on Software Engineering (ICSE 2008), Leipzig, Germany, May 2008, pp. 11-15.

Gilly Leshed, Eben Haber, Tessa Lau, and Allen Cypher. CoScripter: Sharing 'How-to' Knowledge in the Enterprise, GROUP 2007, Sanibel Island, FL, November 2007.

C. Scaffidi, A. Cypher, S. Elbaum, A. Koesnandar, and B. Myers. Scenario-Based Requirements for Web Macro Tools. Proceedings of the 2007 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2007), Coeur d'Alene, ID, September 2007, pp. 197-204.

G. Little, T. Lau, A. Cypher, J. Lin, E. Haber, E. Kandogan, Koala: capture, share, automate, personalize business processes on the web, CHI 2007, San Jose, CA, April 2007, 943 - 946.

C. Scaffidi, A. Cypher, S. Elbaum, A. Koesnandar, and B. Myers. The EUSES Web Macro Scenario Corpus, Version 1.0. Technical Report CMU-HCII-06-105, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, 2006.

DiGiano, C., Kahn, K., Cypher, A. and Smith, D.C. "Integrating Learning Supports into the Design of Visual Programming Systems". Journal of Visual Languages and Computing, 12(5), December 2001, pp. 501-524 .

Smith, D.C., Cypher, A. and Tesler, L. "Novice Programming Comes of Age" In Lieberman H., ed. Your Wish Is My Command, Morgan Kaufmann, San Francisco, February 2001.

Smith, D.C., Cypher, A. and Tesler, L. "Novice Programming Comes of Age" In Communications of the ACM, 43(3), March 2000, pp. 75-81.

Smith, David C., and Cypher, Allen. "Making Programming Easier for Children". In Druin A., ed. The Design of Children's Technology, Morgan Kaufmann, San Francisco, 1999, pp. 201-222.

Heger, N., Cypher, A. and Smith, D.C. "Cocoa at the Visual Programming Challenge '97." In Journal of Visual Languages and Computing, 1998.

Smith, D.C., Cypher, A. and Schmucker, K. "Making Programming Easier for Children," Interactions, ACM, 3(5), Sept.-Oct. 1996, pp.58-67.

Cypher, Allen and Smith, David C. "KidSim: End User Programming of Simulations." In Proceedings of CHI, 1995 (Denver, May 7-11). ACM, New York, 1995, pp. 27-34.

Smith, David C., and Cypher, Allen. "KidSim: Child Constructible Simulations." In Proceedings of the Imagina '95 Conference, Monte-Carlo, February 1995, pp. 87-99.

Smith, D.C., Cypher, A. & Spohrer, J. "KidSim: Programming Agents Without a Programming Language." In *Communications of the ACM*, 37(7), July 1994, pp. 54-67.

Cypher, Allen. "Eager: Programming Repetitive Tasks by Example." In Baecker, Grudin, Buxton, and Greenberg, eds., *Readings in Human-Computer Interaction: Toward the Year 2000*, Morgan Kaufmann Publishers, 1995, pp. 804-810.

Kvavik, K., Karimi, S., Cypher, A., and Mayhew, D. "User-Centered Processes and Evaluation in Product Development." In *Interactions*, volume 1.3, Association for Computing Machinery, New York, July, 1994, pp. 65-71.

Cypher, Allen. "The Practical Use of Macro Recording: A Case Study." In *Human-Computer Interaction: Third International Conference, EWHCI'93*, Moscow, Russia. *Lecture Notes in Computer Science 753*. Springer-Verlag, Berlin, 1993. pp. 327-333.

Cypher, Allen. "Bringing Programming to End Users." In Cypher A, ed. *Watch What I Do: Programming by Demonstration*, MIT Press, Cambridge, MA, 1993, pp. 1-11.

Cypher, Allen. "Eager: Programming Repetitive Tasks by Demonstration." In Cypher A, ed. *Watch What I Do: Programming by Demonstration*, MIT Press, Cambridge, MA, 1993, pp. 205-217.

Cypher, Allen. "Characterizing PBD Systems." In Cypher A, ed. *Watch What I Do: Programming by Demonstration*, MIT Press, Cambridge, MA, 1993, pp. 467-484.

Cypher, Allen. "Customizing Application Programs." In *Proceedings of the Moscow International Workshop on Human-Computer Interaction (Moscow, August 5-8)*, ICSTI, Moscow, 1991. pp. 152-157.

Myers B., Cypher A., Maulsby D., Smith D., and Shneiderman B. "Demonstrational Interfaces: Coming Soon?" in *Proceedings of SIGCHI'91: Human Factors in Computing Systems*. New Orleans, LA. April 28-May 2, 1991. pp. 393-396.

Cypher, Allen. "Eager: Programming Repetitive Tasks by Example." *Technical Video Program of the SIGCHI '91 conference*, New Orleans, LA, April 27 - May 2, 1991. *SIGGRAPH Video Review*, Issues 63&64, no. 8.

Cypher, Allen. "Eager: Programming Repetitive Tasks by Example." In *Proceedings of CHI, 1991 (New Orleans, April 28 - May 2)*. ACM, New York, 1991, pp. 33-39.

Cypher, Allen and Stelzner, Marilyn. "Graphical Knowledge-based Model Editors." In Sullivan, Joseph and Tyler, Sherman eds., *Intelligent User Interfaces*, Addison-Wesley, 1991, pp. 403-420.

Cypher, Allen. "Managing the Mundane." In Laurel B. ed., *The Art of Human-Computer Interface Design*, Addison-Wesley, 1990, pp. 155-160.

Karimi, Shifteh and Cypher, Allen. "Eager: A User Study," ATG Human Interface Group Technical Report 89-09, Apple Computer, Cupertino, CA, 1989.

Cypher, Allen. "The Structure of Users' Activities." In Norman D. and Draper S. eds., *User Centered System Design*, Lawrence Erlbaum Associates, Hillsdale, New Jersey, 1986, pp. 243-263.

Bannon L., Cypher A., Greenspan S., and Monty M. "Evaluation and Analysis of User's Activity Organization." In *Proceedings of CHI, 1983* (Boston, December). ACM, New York, 1983. pp. 54-57.

Cypher, Allen. "An approach to the k paths problem." In *Conference Proceedings of the Twelfth Annual ACM Symposium on Theory of Computing, 1980* (Los Angeles, April). ACM, New York, 1980. pp. 211-217.

PRESENTATIONS

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| Invited
Presenter | "End-user creation of custom assistance" at "End-user Interactions with Intelligent and Autonomous Systems" Workshop, CHI, Austin, TX, May 2012. |
| Panel | "Successful Visual and End-User Programming Systems", IEEE Symposium on Visual Languages and Human-Centric Computing, Pittsburg, PA, September 2011. |
| Talk | "Programming by Demonstration: Past and Present", Berkeley BiD Institute of Design, University of California, Berkeley, CA, November 2011. |
| Demo | "CoTables", TiECON Entrepreneur, May 2011. |
| Demo | "ClearScript", Boston VoiCE Rational customer event, November 2010. |
| Talk | "The Evolution of End User Programming", GoogleTechTalks, Mountain View, CA, February 2010,
http://www.youtube.com/watch?v=MxpiGZinies , 15,000 views. |
| Talk | "CoScripter Update", Mozilla Labs, Mountain View, CA, December 2008. |

- Talk "CoScripter: End User Programming on the Web", Yahoo! Research, Mountain View, CA, July 2008.
- Seminar "Koala: Wikipedia for How-to Knowledge", UC San Diego Distributed Cognition and HCI Seminar, San Diego, CA, April 2007.
- Seminar "Koala: Wikipedia for Business Processes", PARC Colloquium, Palo Alto, CA, April 2007.
- Participant "End User Web Scripting", Dagstuhl Seminar on End User Software Engineering, Dagstuhl, Germany, February 2007.
- Talk "Koala: Wikipedia for How-to Knowledge", Mozilla Foundation, Mountain View, CA, January 2007.
- Talk "Koala: End User Programming on the Web", Stanford University Human Computer Interaction Seminar, Stanford, CA, December 2006,
<http://www.youtube.com/watch?v=dfaExbgqFoQ>
- Panel "Thinking Like a Kid," North Bay Multimedia Association, Exploratorium, San Francisco, CA, January 2001.
- Seminar "Bringing Programming to Non-programmers," Pontifícia Universidade Católica PUC-Rio, Rio de Janeiro, Brazil, October 2000.
- Panel "Is ActiMates Barney Ethical?" CHI, Pittsburgh, PA, May 1999.
- Seminar "Visual Interactive Simulations," Seminar on People, Computers, and Design, Stanford University, April 1999.
- Talk "Stagecast Creator: Kids Creating Software," Interval Research, Palo Alto, CA, March 1999.

earlier presentations have been omitted