

RICHARD H. WICENTOWSKI

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Swarthmore College
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EXPERIENCE **Associate Provost for Educational Policy**, 2013 – present
 Associate Professor, 2008 – present
 Department Chair, 2010 – 2013
 Assistant Professor, 2002 – 2008
 Computer Science Department, Swarthmore College, Swarthmore, PA

EDUCATION **Ph.D., Computer Science**
 Johns Hopkins University, Baltimore, MD
 August 2002

M.S., Computer Science
 University of Pittsburgh, Pittsburgh, PA
 May 1995

B.S., Computer Science with Honors
 Rutgers College, Rutgers University, New Brunswick, NJ
 May 1993

PUBLICATIONS (Swarthmore student co-authors show both their name and graduation year)

R. Wicentowski. “SWATCS65: Sentiment Classification Using an Ensemble of Class Projects”. In *Proceedings of the 9th International Workshop on Semantic Evaluation (SemEval 2015)*, 2015.

Y. Alhessi’16 and R. Wicentowski. “SWATAC: A Sentiment Analyzer using One-Vs-Rest Logistic Regression”. In *Proceedings of the 9th International Workshop on Semantic Evaluation (SemEval 2015)*, 2015.

R. Talbot’15, C. Acheampong’16 and R. Wicentowski. “SWASH: A Naive Bayes Classifier for Tweet Sentiment Identification”. In *Proceedings of the 9th International Workshop on Semantic Evaluation (SemEval 2015)*, 2015.

R. Collins’16, D. May’16, N. Weinthal’15 and R. Wicentowski. “SWAT-CMW: Classification of Twitter Emotional Polarity using a Multiple-Classifer Decision Schema and Enhanced Emotion Tagging”. In *Proceedings of the 9th International Workshop on Semantic Evaluation (SemEval 2015)*, 2015.

T. Newhall, L. Meeden, A. Danner, A. Soni, F. Ruiz and R. Wicentowski. “A Support Program for Introductory CS Courses that Improves Student Performance and Retains Students From Underrepresented Groups”. In *Proceedings of the 45th ACM Technical Symposium on Computer Science Education*, 2014.

S. Clark’13 and R. Wicentowski. “SwatCS: Combining simple classifiers with estimated accuracy”. In *Proceedings of the 7th International Workshop on Semantic Evaluation (SemEval 2013)*, pp. 425–429, 2013.

- R. Wicentowski and M. Sydes. "Emotion Detection in Suicide Notes using Maximum Entropy Classification". In *Biomedical Informatics Insights*, Vol. 5 (Suppl. 1), pp. 51–60, 2012.
- R. Wicentowski, M. Kelly'10 and R. Lee'10. "SWAT: Cross-Lingual Lexical Substitution using Local Context Matching, Bilingual Dictionaries and Machine Translation". In *Proceedings of the 5th International Workshop on Semantic Evaluations (SemEval 2010)*, 2010.
- B. Tomasik'09, J. Kim'09, M. Ladlow'09, M. Augat'09, D. Tingle'10, R. Wicentowski and D. Turnbull. "Using Regression to Combine Data Sources for Semantic Music Discovery". In *Proceedings of the 10th International Society for Music Information Retrieval Conference*, 2009.
- E. Agirre, L. Màrquez and R. Wicentowski. "Computational semantic analysis of language: SemEval-2007 and beyond". In *Language Resources and Evaluation*, Vol. 43, No. 2, June 2009.
- R. Wicentowski and M. Sydes. "Using Implicit Information to Identify Smoking Status in Smoke-Blind Medical Discharge Summaries". In *The Journal of the American Medical Informatics Association*, Vol. 15, No. 1, Jan/Feb 2008.
- G. Dahl'08, A. Frassica'09, and R. Wicentowski. "SW-AG: Local Context Matching for English Substitution.". In *The Proceedings of SemEval-2007: 4th International Workshop on Semantic Evaluations*, 2007.
- P. Katz'07, M. Singleton'07, and R. Wicentowski. "SWAT-MP: The SemEval-2007 Systems for Task 5 and Task 14." In *The Proceedings of SemEval-2007: 4th International Workshop on Semantic Evaluations*, 2007.
- R. Wicentowski and M. Sydes. "Identifying Smoking Status From Implicit Information in Medical Discharge Summaries". In *The Annual Symposium of the American Medical Informatics Association: i2b2 Workshop on Challenges in Natural Language Processing for Clinical Data*, 2006.
- R. Wicentowski and T. Newhall. "Using Image Processing Projects to Teach CS1 Topics". In *Proceedings of the 36th ACM Technical Symposium on Computer Science Education*, 2005.
- R. Wicentowski. "Multilingual Noise-Robust Supervised Morphological Analysis using the WordFrame Model." In *Proceedings of Seventh Meeting of the ACL Special Interest Group on Computational Phonology (SIGPHON)*, pp. 70–77, 2004.
- R. Wicentowski, E. Thomforde'04 and A. Packel'04. "The Swarthmore College SENSEVAL3 System." In *SENSEVAL-3: Third International Workshop on the Evaluation of Systems for the Semantic Analysis of Text*, pp. 257–261, 2004.
- R. Wicentowski, G. Ngai, D. Wu, M. Carpuat, E. Thomforde'04 and A. Packel'04. "Joining forces to resolve lexical ambiguity: East meets West in Barcelona." In *SENSEVAL-3: Third International Workshop on the Evaluation of Systems for the Semantic Analysis of Text*, pp. 262–264, 2004.
- R. Wicentowski. "Modeling and Learning Multilingual Inflectional Morphology in a Minimally Supervised Framework." Ph.D. thesis, The Johns Hopkins University (ISBN: 0-493-87782-7), 2002.

R. Florian and R. Wicentowski. “Unsupervised Italian Word Sense Disambiguation using Wordnets and Unlabeled Corpora.” In *Word Sense Disambiguation: Recent Successes and Future Directions, Proceedings of the 40th Meeting of the Association for Computational Linguistics*, pp. 67–73, 2002.

D. Yarowsky, S. Cucerzan, R. Florian, C. Schafer and R. Wicentowski. “The Johns Hopkins SENSEVAL2 System Descriptions.” In *Proceedings of SENSEVAL2*, pp. 163–166, 2001.

D. Yarowsky, G. Ngai and R. Wicentowski. “Inducing Multilingual Text Analysis Tools via Robust Projection across Aligned Corpora.” In *Proceedings of HLT 2001, First International Conference on Human Language Technology Research* (ISBN: 1-55860-786-2), pp. 161–168, 2001

D. Yarowsky and R. Wicentowski. “Minimally supervised morphological analysis by multimodal alignment”. In *Proceedings of the 38th Meeting of the Association for Computational Linguistics* (ISBN: 1-55860-731-5), pp. 207–216, 2000.

EDITOR

J. Heinz, L. Cahill and R. Wicentowski, editors. 2010. *Proceedings of the 11th Meeting of ACL Special Interest Group in Computational Morphology and Phonology*. Association for Computational Linguistics, Uppsala, Sweden.

E. Agirre, L. Màrquez and R. Wicentowski, editors. 2009. *Proceedings of the Workshop on Semantic Evaluations: Recent Achievements and Future Directions (SEW-2009)*. Association for Computational Linguistics, Boulder, Colorado.

E. Agirre, L. Màrquez and R. Wicentowski, guest editors. 2009. *Language Resources and Evaluation (formerly Computers and the Humanities)*. Vol. 43, No. 2. Springer.

E. Agirre, L. Màrquez and R. Wicentowski, editors. 2007. *Proceedings of the Fourth International Workshop on Semantic Evaluations (SemEval-2007)*. Association for Computational Linguistics, Prague, Czech Republic.

R. Wicentowski and G. Kondrak, editors. 2006. *Proceedings of the Eighth Meeting of the ACL Special Interest Group on Computational Phonology and Morphology at HLT-NAACL 2006*. Association for Computational Linguistics, New York City, USA.

J. Goldsmith and R. Wicentowski, editors. 2004. *Proceedings of the Seventh Meeting of the ACL Special Interest Group on Computational Phonology at ACL 2004*. Association for Computational Linguistics, Barcelona, Spain.

WORKSHOPS

A. Danyluk, M. Jipping, R. Price Jones, D. Reed, B. Richards, and R. Wicentowski. “Small or Liberal Arts Colleges Adapting to CS2013: Making It Work”. Workshop presented at the 46th ACM Technical Symposium on Computer Science Education, March 2015.

PROFESSIONAL ACTIVITIES

Leadership

Session Chair, 9th International Workshop on Semantic Evaluation (SemEval 2015), 2015.

Secretary, ACL Special Interest Group on Computational Morphology and Phonology, 2003–2014

Area Chair (Phonology, Morphology, Tagging, Chunking and Segmentation), European Chapter of the Association for Computational Linguistics, 2012

Workshop Co-chair, 12th Meeting of the ACL Special Interest Group in Computational Morphology and Phonology, Montréal, QC, 2012

Organizer, Eleventh Meeting of the ACL Special Interest Group in Computational Morphology and Phonology (SIGMORPHON), Uppsala, Sweden, 2010

Mentor, Association for Computational Linguistics, Uppsala, Sweden, 2010

Publications Chair, Eleventh Meeting of the North American Chapter of the Association for Computational Linguistics (NAACL), Los Angeles, CA, 2010

Chair, NAACL-HLT Workshop on Semantic Evaluations, Boulder, CO, 2009

Chair, SemEval-2007 (Senseval-4): 4th International Workshop Semantic Evaluations, Prague, Czech Republic, 2007

Chair/Organizer, Eighth Meeting of the ACL Special Interest Group in Computational Phonology (SIGPHON), New York, NY, 2006

Publicity Chair and Exhibits Chair, 43rd Meeting of the Association for Computational Linguistics (ACL), Ann Arbor, MI, 2005

Chair/Organizer, Seventh Meeting of the ACL Special Interest Group in Computational Phonology (SIGPHON), Barcelona, Spain, 2004

Session Chair, “Preparing Graduate Students for Careers in Teaching,” Special Interest Group for Computer Science Education, Atlanta, GA, 1998

Program Committee / Invited Reviewer

Association for Computational Linguistics (ACL), 2008–2015

ACM Special Interest Group for Computer Science Education, 2003–2015

North American Computational Linguistics Olympiad (NACLO), 2009–2012

Language Resources and Evaluation (LREV), 2011

Journal of Natural Language Engineering (JNLE), 2004–2005, 2007, 2011

North American Chapter of the Association for Computational Linguistics (NAACL), 2009–2010

Special Interest Group for Computational Morphology and Phonology (SIGMORPHON), 2008, 2010

European Chapter of the ACL, 2006, 2009

IEEE International Conference on Semantic Computing, 2007

Empirical Methods in Natural Language Processing/Computational Natural Language Learning (EMNLP), 2007–2008

Effective Tools and Methodologies for Teaching Natural Language Processing And Computational Linguistics (ACL), 2005, 2008

Journal of Artificial Intelligence Research (JAIR), 2007

IEEE International Conference on Semantic Computing, 2007

Computational Linguistics (CL), 2006–2007

EU Network of Excellence PASCAL Challenge Program, 2005–2007

Conference on Computational Linguistics (COLING), 2006

COLING/ACL Student Research Workshop, 2006

ACL Special Interest Group for Computational Phonology, 2002, 2004, 2006
ACM Transactions on Speech and Language Processing, 2005
SemaNet: Building and Using Semantic Networks (COLING), 2002

Conferences Attended

North American Chapter of the Association for Computational Linguistics-Human Language Technologies (NAACL-HLT), 2003, 2005, 2006, 2009, 2015
ACM Special Interest Group for Computer Science Education (SIGCSE), 1998, 2001, 2002, 2004, 2006, 2008–2010, 2012, 2014, 2015
Association for Computational Linguistics (ACL), 1999, 2000, 2001, 2002, 2004, 2005, 2007, 2008, 2010, 2011, 2013, 2014
Annual Symposium of the American Medical Informatics Association, Washington, D.C., 2006, 2011
Genome Consortium for Active Teaching (GCAT) Microarray Workshop, Fullerton, CA, July 2008

Awards

Alliance to Advance Liberal Arts Colleges, 2012–2013 (development of a workshop on the emerging role of “information”; role: workshop leader)
Howard Hughes Medical Institute, 2008–2009 (course development)
James A. Michener Faculty Fellowship, 2005–2006 (sabbatical support)

Liberal Arts Computer Science Consortium (LACS)

LACS is dedicated to supporting undergraduate computer science through active curriculum development and scholarly activity in the field of computer science education. Meetings attended:

George Washington University, 2010
Bryn Mawr College, 2012
Wellesley College, 2014

Thesis Examiner

Doctoral examiner, Sami Virpioja, Aalto University, 2012
Doctoral examiner, Karl Grieser, University of Melbourne, 2011
Doctoral examiner, Mathias Creutz, Helsinki University of Technology, 2006

ASSOCIATE PROVOST ACTIVITIES

Committees and Assignments

Faculty and Staff Benefits Committee, 2014–present
Ad Hoc Faculty Salary Committee, 2014–present
Academic Assessment Committee, co-chair, 2013–present
Curriculum Committee, 2013–present
Lang Center Advisory Board, 2013–present
Writing Program Advisory Committee, 2013–present
Committee on Academic Requirements, 2013–present

College Budget Committee, 2013–present
Administrative Advisory Committee, 2013–present
Teagle Assessment Project, co-organizer, 2013–2015

Workshops Attended

“Town Hall”, Middle States Commission on Higher Education, Phila., 2015
“Creating Cohesive Paths”, Project Pericles, Tarrytown, NY, 2014
“Becoming An Assessment Facilitator”, Middle States Commission on Higher Education, Philadelphia, 2013

Department and Program Reviews Organized

Department of Religion, 2015
Department of Educational Studies, 2015
Latin American Studies Program, 2015
Music Program, Department of Music and Dance, 2014
Physics and Astronomy Department, 2014
Department of Political Science, 2014
Cognitive Science Program, 2014
Interpretation Theory Program, 2014
Medieval Studies Program, 2014
Macalester-Pomona-Swarthmore Consortium Program “Globalization and the Environment”, University of Cape Town, South Africa, 2014

Projects

Departmental assessment of student learning, co-chair, 2013–present
Assessment Liaison Lunch series, co-chair, 2013–present
KIVA coordinator, 2013–present
Writing Center’s Associate Director search committee, member, 2013–2015
Middle States Periodic Review Report, co-chair, 2013–2014
Curriculum and syllabus mapping project, contributor, 2013–2014

SWARTHMORE ACTIVITIES

Classes Taught (enrollment in parenthesis)

- CPSC 21: The Imperative Paradigm with C
Spring 2003 (15), Fall 2002 (23)
- CPSC 21: Introduction to Computer Science (Python)
Spring 2014 (34), Fall 2013 (Lab: 26), Spring 2013 (29), Spring 2012 (28),
Spring 2009 (26), Spring 2008 (28), Spring 2007 (12)
- CPSC 33: Computer Organization
Fall 2011 (29), Fall 2008 (12), Fall 2007 (20),
- CPSC 35: Algorithms and Object-Oriented Computing
Spring 2004 (20)

- CPSC 22/CPSC 37: The Structure and Interpretation Of Computer Programs
Spring 2013 (40), Spring 2012 (38), Spring 2008 (29), Spring 2005 (12)
Fall 2004 (15), Spring 2004 (20), Fall 2003 (23)
- CPSC 43: Foundations of Programming Language Design
Fall 2002 (8)
- CPSC 65/LING 20: Natural Language Processing
Fall 2014 (51), Fall 2012 (39), Fall 2010 (29), Fall 2008 (17)
Fall 2006 (28)
- CPSC 67: Information Retrieval
Spring 2009 (12), Spring 2007 (8)
- CPSC 71: Software Engineering: iOS Development
Spring 2011 (26)
- CPSC 91: Information Retrieval and Natural Language Processing
Fall 2003 (6)
- CPSC 93: Directed Reading in Computational Semantics (1 credit)
Spring 2010 (2), Spring 2004 (2)
- CPSC 93: Directed Reading in Library and Information Science (0.5 credit)
Spring 2005 (1)
- CPSC 93: Directed Reading in Computational Biology (1 credit)
Fall 2007 (2)
- CPSC 97: Senior Conference on Computational Linguistics
Spring 2005 (11), Spring 2003 (Section 1: 12, Section 2: 14)

College Service (excluding Associate Provost duties)

Council on Educational Policy, 2011–2013
 Faculty Salary Review Committee, 2010–2013
 Secretary to the Faculty, 2008–2012
 Long-Range Planning Sub Group on ITS, 2008–2009
 Assessment Planning Sub Committee on Data Use, 2008–2009
 Howard Hughes Medical Institute Committee, 2008–2009
 Cognitive Science Committee, 2008–2009
 Vice President, Sigma Xi, 2007–2009
 Implemented Voting Software for Faculty Elections, 2007–2008
 College Judiciary Committee, 2006–2008
 Foreign Study Committee, 2006–2007
 Committee on Academic Requirements, 2003–2005
 College Budget Committee, 2003–2005

Off-Campus Study Site Visits

Aquincum Institute of Technology (Budapest, Hungary), 2014
 Ashesi University (Berekuso, Ghana); Univ. of Ghana (Accra, Ghana), 2013
 Aquincum Institute of Technology (Budapest, Hungary), 2009

Research Students

Dougal Sutherland '11: Summer 2009

Phil Katz '07: Summer 2006

Matt Singleton '07: Summer 2006

Scott Blaha '07: Summer 2005

Connie Li '06: Summer 2005

Adrian Packel '04: Summer 2003

Thesis Advisor

Jacob Collard '15 (Linguistics), Fall 2014

Joshua Bloom '13 (Education-Computer Science Sp. Maj.), Spring 2013

Rebecca Knowles '12 (Linguistics, Bryn Mawr College), Fall 2012

Ross Greenwood '11, Fall 2010

Brian Tomasik '09 (Honors), 2008–2009

Phil Katz '07 (Honors), Fall 2006

Emily Thomforde '04 (Linguistics), Fall 2003

Eleanor Heikkinen '03 (Linguistics), Spring 2003

B. Daniel Fairchild '03 (Sp. Maj. Computational Linguistics), Fall 2002

Departmental Service

Foreign Study advisor, 2014–present

Department Chair, 2010–2013

Co-organizer, ACM Programming Contest Team, 2004, 2006–2008

Departmental Representative, Sigma Xi, 2004–2005, 2007–2009