

STEVEN E. STEMLER, Ph.D
Curriculum Vitae

Department of Psychology
Wesleyan University
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ACADEMIC APPOINTMENTS

- 2005- *Assistant Professor*, Wesleyan University, Department of Psychology
2002- *Teaching Faculty*, Framingham State University, International Educational Programs
2003-2005 *Associate Research Scientist*, Yale University, Department of Psychology
2002-2005 *Assistant Director*, Yale University PACE Center (1/03-6/05). Responsible for handling all grants submitted by the PACE Center, monitoring spending on all funded grants, collaborating on grant proposals, collaborating on all hiring decisions, and working with visiting scholars.
Deputy Assistant Director, Yale University PACE Center (1/02-12/02). Responsible for helping to develop budgets and ensure that all guidelines were met for grants submitted by the PACE Center, collaborating on grant proposals, collaborating on all hiring decisions, and working with visiting scholars.
2001-2003 *Visiting Instructor*, Framingham State University, Dept of Graduate & Continuing Ed

EDUCATION

- 2001–2003 *Postdoctoral Associate*, Psychology, Yale University
Advisor: Dr. Robert J. Sternberg

2001 *Ph.D.*, Educational Research, Measurement, and Evaluation, Boston College
Pass with Distinction for exceptional performance on the doctoral comprehensive exam
Dissertation: “Examining School Effectiveness at the Fourth Grade: A Hierarchical Analysis of the Third International Mathematics and Science Study (TIMSS)”
Advisor: Dr. Ina V.S. Mullis

1997 *M.Ed.*, Educational Research, Measurement, and Evaluation, Boston College

1996 *B.S.*, Psychology, University of Washington

ADVANCED EDUCATIONAL TRAINING

- 2003 *APA Advanced Training Institute in Longitudinal Methods*, University of Virginia
Selected to participate in a two-week intensive APA program working with experts in the field of longitudinal methods.
1997 *NSF Institute on Evaluation - The Evaluation Center*, Western Michigan University
Selected as one of 18 scholars to participate in a one-month NSF program (Project MTS) working with experts in the field of program evaluation.

ACADEMIC LEADERSHIP POSITIONS

New England Educational Research Organization (NEERO)

President (2012-2014)

Vice President and Conference Program Chair (2010-2012)

CT State Representative (2007-2010)

APA Division 48 – Society for the Study of Peace, Conflict, & Violence Prevention: Peace Psychology

Chair of the Conflict Resolution Workgroup (2009-2011)

Rasch Measurement Special Interest Group of AERA

Secretary/Treasurer (2004-2006)

Developed a permanent website for the SIG (www.raschsig.org) and led a membership recruiting campaign that increased membership from 136 to 188 (38% increase).

ADVISORY BOARDS

Aspiring Minds, India. Aspiring Minds runs India's largest employment test called the AMCAT, which is used by more than 70 companies (including 5 out of India's top 10 IT companies) to hire candidates at various levels. I serve on their Board of Advisors as an expert in assessment and psychometrics. My role involves providing advice and assistance with the development of new personnel selection measures (2012-present).

EXTERNALLY FUNDED RESEARCH

Award Amount: \$60,000

2008-2009

PI: Steven E. Stemler

Funding Agency: University of Central Florida (Office of the Secretary of Defense prime)

Title: Measuring Adaptability in Military Personnel

Summary: The objective of this research project was to develop new measures of adaptable thinking for use in personnel selection and in the evaluation of adaptability training programs in the military.

Award Amount: \$104,797

2007-2008

PIs: Steven E. Stemler and Cynthia Matthew

Funding Agency: Army Research Institute

Title: Exploring Pattern Recognition as a Predictor of Mental Flexibility

Summary: The objective of this research project was to demonstrate that pattern recognition is a basic cognitive process that gives rise to mental flexibility across a variety of domains (e.g., cognitive and social).

Award Amount: \$350,000

2005-2007

PIs: Robert J. Sternberg, Steven E. Stemler, and Elena L. Grigorenko

Funding Agency: National Science Foundation

Title: Using the Theory of Successful Intelligence as a Framework for Developing Assessments in AP Physics

Summary: The aim of this project was to create a set of augmented, theory-driven examinations that expand the range of cognitive skills assessed and to examine the impact of this approach on student achievement. Specifically, we investigated: (1) individual differences and group differences in cognitive processing skills, (2) ethnic differences in student achievement on the augmented exams.

PUBLICATIONS – Peer-reviewed articles under review

(Students in italics; postdoctoral fellows underlined)

- Stemler, S.E., Imada, T., & Sorkin, C.** (under review). Development and validation of the Wesleyan Intercultural Competence Scale (WICS). *Journal of Studies in International Education*.
- Stemler, S.E., Elliott, J., & McNeish, D.** (under review). Is socially skilled teaching culture specific? A cross-cultural study of teachers in Russia and England. *Teaching and Teacher Education*.
- Matthew, C.T., & Stemler, S.E.** (under review). Assessing mental flexibility with a new Word Recognition Test. *Learning and Individual Differences*.
- Sternberg, R.J., Jarvin, L.J., Birney, D.P., Naples, A., Stemler, S.E., Newman, T., Otterbach, R., Parish, C., Randi, J., & Grigorenko, E.L.** (revision under review). Testing the theory of successful intelligence through educational interventions in Grade 4 language arts, mathematics, and science. *Journal of Educational Psychology*.

PUBLICATIONS – Peer-reviewed articles

(Students in italics)

- Stemler, S.E.** (2012). What should university admissions tests predict? *Educational Psychologist*, 47(1), 5-17.
- Stemler, S.E., Elliott, J., McNeish, D., Grigorenko, E.L., & Sternberg, R.J.** (2012). Examining the construct and cross-cultural validity of the Teaching Excellence Rating Scale (TERS). *International Journal of Educational and Psychological Assessment*, 9(2), 121-138.
- Stemler, S.E., Bebell, D., & Sonnabend, L.** (2011). Using school mission statements for reflection and research. *Educational Administration Quarterly*, 47(2), 383-420.
- Elliott, J.G., Stemler, S.E., Grigorenko, E.L., Sternberg, R.J., & Hoffman, N.** (2011). The socially skilled teacher and the development of tacit knowledge. *British Educational Research Journal*, 37(1), 83-103.
- Stemler, S.E., Sternberg, R.J., Grigorenko, E.L., Jarvin, L., & Sharpes, K.** (2009). Using the theory of successful intelligence as a framework for developing assessments in AP Physics. *Contemporary Educational Psychology*, 34, 195-209.
- Kahn, R., Stemler, S.E., Berchin-Weiss, J.** (2009). Enhancing parent participation in early intervention through tools that support mediated learning. *Journal of Cognitive Education and Psychology*, 8(3), 269-287.
- Wu, M.B., & Stemler, S.E.** (2008). Resident advisor general intelligence, emotional intelligence, personality dimensions, and internal belief characteristics as predictors of rated performance. *NASPA Journal*, 45(4), 528-559. (Note: The journal has changed names and is now the *Journal of Student Affairs Research and Practice*)
- Sternberg, R.J., and the Rainbow Project Collaborators** (2006). The Rainbow Project: Enhancing the SAT through assessments of analytical, practical, and creative skills. *Intelligence*, 34, 321-350.
- Stemler, S. E., Grigorenko, E. L., Jarvin, L., & Sternberg, R. J.** (2006). Using the theory of successful intelligence as a basis for augmenting AP exams in psychology and statistics. *Contemporary Educational Psychology*, 31(2), 75-108.
- Stemler, S.E., Elliott, J.G., Grigorenko, E.G., & Sternberg, R.J.** (2006). There's more to teaching than instruction: Seven strategies for dealing with the practical side of teaching. *Educational Studies*, 32(1), 85-102.
- Stemler, S.E.** (2004). A comparison of consensus, consistency, and measurement approaches to estimating interrater reliability. *Practical Assessment, Research & Evaluation*, 9(4). Retrieved July 6, 2012 from <http://PAREonline.net/getvn.asp?v=9&n=4> . This paper has been viewed 55,495 times and cited 244 times since 3/1/2004.

Stemler, S.E. (2001). An overview of content analysis. *Practical Assessment, Research & Evaluation*, 7(17). Retrieved July 6, 2012 from <http://PAREonline.net/getvn.asp?v=7&n=17>. This paper has been viewed 278,419 times and cited 675 times since 6/7/2001.

PUBLICATIONS – Book

Stemler, S.E., & Bebell, D. (2012). *The School Mission Statement: Values, Goals, and Identities in American Education*. Larchmont, NY: Eye on Education.

PUBLICATIONS – Books chapters and Encyclopedia entries

(Students in italics)

Stemler, S.E., & Sternberg, R.J. (in press). The assessment of aptitude. *The APA Handbook of Testing and Assessment*. Washington, DC: APA.

Sternberg, R.J., Grigorenko, E.L., Kidd, K.K., & **Stemler, S.E.** (2011). Intelligence, race, and genetics. In S. Krinsky and K. Sloan (Eds.), *Race and the Genetic Revolution: Science, Myth, and Culture* (pp. 195-237). New York: Columbia University Press.

Stemler, S.E., Chamvu, F., Chart, H., Jarvin, L., Jere, J., Hart, L., Kaani, B., Kalima, K., Kwiatkowski, J., Mambwe, A., Kasonde-N'Gandu, S., Newman, T., Serpell, R., Sparrow, S., Sternberg, R.J., & Grigorenko, E.L.. (2009). Assessing competencies in reading and mathematics in Zambian children. In E.L. Grigorenko (Ed.), *Multicultural Psychoeducational Assessment* (pp. 157-186). New York: Springer Publishers.

Elliott, J.G., & **Stemler, S.E.** (2008). Teacher authority, tacit knowledge and the training of teachers. In T.E. Scruggs and M.A. Mastropieri (Eds.), *Advances in Learning and Behavioral Disabilities: Vol. 21 Personnel Preparation* (pp. 75-88). Oxford, UK: Elsevier.

Stemler, S.E., & Tsai, J. (2008). Best practices in estimating interrater reliability. In J. Osborne (Ed.), *Best Practices in Quantitative Methods* (pp. 29-49). Thousand Oaks, CA: Sage publications

Stemler, S.E., & Birney, D. (2007). Measurement. In N. Salkind (Ed.), *Encyclopedia of Measurement and Statistics, Volume 2* (pp. 582-584). Thousand Oaks, CA: Sage Publications.

Birney, D., & **Stemler, S.E.** (2007). Intelligence Quotient. In N. Salkind (Ed.), *Encyclopedia of Measurement and Statistics, Volume 2* (pp. 473-476). Thousand Oaks, CA: Sage Publications.

Stemler, S.E. (2007). Interrater reliability. In N. Salkind (Ed.), *Encyclopedia of Measurement and Statistics, Volume 2* (pp. 484-486). Thousand Oaks, CA: Sage Publications.

Stemler, S.E. (2007). Profile Analysis. In N. Salkind (Ed.), *Encyclopedia of Measurement and Statistics, Volume 2* (pp. 788-789). Thousand Oaks, CA: Sage Publications.

Stemler, S.E. (2007). Cohen's kappa. In N. Salkind (Ed.), *Encyclopedia of Measurement and Statistics, Volume 1* (pp. 164-166). Thousand Oaks, CA: Sage Publications.

Stemler, S.E., & Sternberg, R.J. (2006). Using situational judgment tests to measure practical intelligence. In J. Weekley and R.E. Ployhart (Eds.), *Situational Judgment Tests* (pp. 107-131). Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Sternberg, R. J., Birney, D., Jarvin, L., Kirlik, A., **Stemler, S.E., & Grigorenko, E. L.** (2006). From Molehill to Mountain: The Process of Scaling Up Educational Interventions (First-Hand Experience Upscaling the Theory of Successful Intelligence). In M. A. Constanas, & R. J. Sternberg (Eds.) *Translating Theory and Research into Educational Practice: Developments in Content Domains, Large-scale Reform, and Intellectual Capacity* (pp. 205-221). Mahwah, NJ: Lawrence Erlbaum Associates.

Sternberg, R.J., & **Stemler, S.E.** (2004). Wisdom as a moral virtue. In T.A. Thorkildsen, & H.J. Walberg (Eds.), *Nurturing Morality* (pp. 187-198). New York: Kluwer Academic/Plenum Publishers.

Mullis, I.V.S., & **Stemler, S.E.** (2002). Analyzing gender differences for high-achieving students on TIMSS. In D.F. Robitaille & A.E. Beaton (Eds.), *Secondary Analysis of the TIMSS Results* (pp. 277-290). Kluwer Academic Publishers.

PUBLICATIONS – Books reviews

- Stemler, S.E.** (2004). Automated essay scoring: A human's review. [Review of the book Automated Essay Scoring]. *PsycCRITIQUES*, 49 (Suppl 14), np.
- Stemler, S.E.** (2004). The man in the mirror: reflections on identity formation and intergroup conflict. [Review of the book Social Identity, Interpersonal Conflict, and Conflict Reduction]. *Journal of Contemporary Psychology*, 49(6), 739-742.
- Stemler, S.E.** (2003). The social psychology of conflict resolution [Review of the book The handbook of conflict resolution]. *Journal of Contemporary Psychology*, 48(5), 685-687.
- Stemler, S.E.** (2003). The undercurrent of American education [Review of the book Images of schoolteachers in America]. *Journal of Contemporary Psychology*, 48(4), 414-416.
- Stemler, S.E.** (2003). Toward a theory of cybereducation [Review of the book Cybereducation: The future of long-distance learning]. *Journal of Contemporary Psychology*, 48(3), 251-252.

PUBLICATIONS – Newspaper Editorials

- Bebell, D., & **Stemler, S.E.** (June 17, 2012). Testing Only Narrows Schools' Broad Focus. *The Albany Times-Union*.
- Stemler, S.E.** (April 29, 2012). Teachers–Not Tests–Inspire Students to Learn. *The Hartford Courant*.

PUBLICATIONS – Research Reports (selected)

- Stemler, S.E.** (August, 2009). *Final Report on the Measurement of Adaptability in Military Personnel*. Final report submitted to the University of Central Florida Institute for Simulation and Training, under contract from the Office of the Secretary of Defense.
- Matthew, C.T., & **Stemler, S.E.** (May, 2008). *Exploring Pattern Recognition as a Predictor of Mental Flexibility*. Final report submitted to the Army Research Institute for the Behavioral and Social Sciences for Project Award #W91WAW-07-C-00.
- Stemler, S.E.**, Grigorenko, E.L., Jarvin, L.J., & Sternberg, R.J. (June, 2002). *Tacit Knowledge and its Implications for School Policy*. Report prepared under subcontract to the Laboratory for Student Success, Temple University.
- Martin, M.O., Gregory, K.D., O'Connor, K.M., & **Stemler, S.E.** (Eds.). (2001). *TIMSS 1999 Benchmarking Technical Report*. Chestnut Hill, MA: Boston College.
- Martin, M.O., Gregory, K.D., & **Stemler, S.E.** (Eds.). (2000). *TIMSS 1999 Technical Report*. Chestnut Hill, MA: Boston College.
- O'Connor, K.M., & **Stemler, S.E.** (2000). Quality Control in Data Collection. In M.O. Martin, K.D. Gregory, & S.E. Stemler (Eds.), *TIMSS 1999 Technical Report*. Chestnut Hill, MA: Boston College.
- Martin, M.O., Mullis, I.V.S., & **Stemler, S.E.** (2000). TIMSS Questionnaire Development. In M.O. Martin, K.D. Gregory, & S.E. Stemler (Eds.), *TIMSS 1999 Technical Report*. Chestnut Hill, MA: Boston College.
- Mullis, I.V.S., Martin, M.O., Fierros, E.G., Goldberg, A.L., & **Stemler, S.E.** (2000). *Examining Gender Differences in Mathematics and Science Achievement on the Third International Mathematics and Science Study*. Chestnut Hill, MA: Boston College.
- Stemler, S.E.** (August, 1999). *Student Achievement in the District of Columbia's Public Charter Schools*. Report prepared for the District of Columbia Public Charter School Board.

- Stemler, S.E.** (March, 1999). *Using Crystal Reports for Data Analysis*. A primer written by the staff of the Massachusetts Board of Higher Education and designed for use by the Institutional Research Offices of the Commonwealth of Massachusetts.
- Stemler, S.E.** (December, 1998). *Affirmative Action Policy Analysis*. Report prepared for the National Board on Educational Testing and Public Policy.
- Stemler, S.E.** (June, 1997). *Data Collection Techniques and the World Wide Web: Progress and Pitfalls*. Paper prepared for the staff of the Evaluation Institute at Western Michigan University.

PRESENTATIONS – Invited Presentations

- Stemler, S.E.** (December, 2011). *Measuring and supporting creativity in students*. Invited presentation given at the 126th annual meeting of the New England Association of Schools and Colleges (NEASC). Boston, MA.
- Stemler, S.E.** (March, 2009). *Does practical intelligence predict teacher effectiveness?* Invited presentation given at the Educational Testing Service, Center for New Constructs: Princeton, NJ.
- Stemler, S.E.** (March, 2009). *From working “at cross purposes” to working across purposes: How testing can enhance higher education’s simultaneous quest for merit and diversity*. Paper presented at the Liberal Educational and Effective Practice conference at Clark University: Worcester, MA.
- Stemler, S.E.** (July, 2008). *Metrics and measures of adaptability*. Fostering Adaptive Performance Workshop: Taking the Next Steps. Sponsored by the Department of Defense, the University of Central Florida RETRO Lab, RDECOM, and the ADL Co-Lab Hub: Alexandria, VA.
- Stemler, S.E.** (November, 2004). *Seven practical strategies teachers use when dealing with others*. Invited presentation given at the Abilities and Expertise Seminar, Yale University, Department of Psychology.
- Stemler, S.E.** (September, 2004). *Building a research culture: The PACE Center at Yale*. Invited presentation given to the Department of Education: University of Durham, UK.
- Stemler, S.E.** (March, 2003). *Enhancing the construct validity of Advanced Placement examinations in Psychology*. Invited presentation given at the Abilities and Expertise Seminar: Yale University, Department of Psychology.
- Stemler, S.E.** (July, 2002). *Understanding schools as intelligent systems*. Invited presentation given at the annual meeting of the Appalachian Intermediate Unit 8 Leadership Academy, College Station, PA.
- Stemler, S.E.** (March, 2002). *Fumbling towards equity: An investigation into the factors associated with school effectiveness internationally*. Invited presentation given at the Abilities and Expertise Seminar: Yale University, Department of Psychology.
- Jordan, J., & **Stemler, S.E.** (March, 2002). *Teaching for wisdom: A program for schools*. Invited presentation given at the annual conference on Gifted Education, sponsored by College-Gifted Programs. Fairfield University: Fairfield, CT.
- Stemler, S.E.** (May, 2001). *Exploring the potential uses of the TIMSS 1999 database*. Invited presentation given at the TIMSS 1999 Benchmarking Database Training Session: Potomac, MD.
- Stemler, S.E.** (April, 2001). *Demystifying the data from TIMSS 1999. Keynote address* presented at the annual meeting of the Eisenhower Consortium Association on Research for Better Schools: Cherry Hill, NJ.
- Stemler, S.E.** (April, 2001). *Benchmarking to the world in mathematics and science*. Invited presentation given at the annual meeting of the Eisenhower Consortium Association on Research for Better Schools: Cherry Hill, NJ.

- Stemler, S.E.**, & Henderson, S. (August, 1998). *Interpreting the results of the Massachusetts Teacher Test*. Invited presentation given to the staff members of the Education Committee of the Massachusetts House of Representatives: Boston, MA.
- Shasby, K., **Stemler, S.E.**, Horn, C., & Bebell, D. (November, 1998). *Interpreting standardized test results*. Invited presentation given to the Brookline Parents Association: Brookline, MA.

PRESENTATIONS – Peer-Reviewed Paper Presentations
(Students in italics)

- Stemler, S.E.** (April, 2012). *Scoring the Ethical Priority Test: Identification of value profiles by a mixture modeling approach*. Paper presented at the annual meeting of the National Council on Measurement in Education, symposium on Advanced Psychometric Models for Situational Judgment Tests. Vancouver, Canada.
- McNeish, D., & **Stemler, S.E.** (April, 2011). *Key components in the measurement of teaching excellence*. Paper presented at the annual meeting of the New England Educational Research Organization: New Bedford, MA.
- Birney, D., Grigorenko, E.L., Beckmann, J., **Stemler, S.E.**, & Sternberg, R.J. (April, 2010). *An investigation of the theoretical implications of differential item functioning in the evaluation of educational interventions*. Paper presented at the International Objective Measurement Workshop: Boulder, CO.
- Hartley, A., & **Stemler, S.E.** (April, 2010). *Measuring effectiveness in teacher preparation programs*. Paper presented at the annual meeting of the New England Educational Research Organization: Portsmouth, NH.
- Georges, S., & **Stemler, S.E.** (April, 2010). *Leaving children behind: School culture and inter-district school choice*. Paper presented at the annual meeting of the New England Educational Research Organization: Portsmouth, NH.
- Stemler, S.E.**, Newman, T., & Tan, M. (June, 2009). *Cross-cultural assessment: the development of a valid and reliable protocol to identify students with learning disabilities in Zambia*. Paper presented at the annual meeting of the Society for the Scientific Study of Reading: Boston, MA.
- Stemler, S.E.**, & Bar-David, E. (April, 2009). *How can universities measure ethical reasoning?* Roundtable paper presented at the annual meeting of the New England Educational Research Organization: Portsmouth, NH.
- Hartley, A., & **Stemler, S.E.** (April, 2009). *How can universities assess the development of intercultural literacy?* Roundtable paper presented at the annual meeting of the New England Educational Research Organization: Portsmouth, NH.
- Bar-David, E., Moore, T., & **Stemler, S.E.** (April, 2008). *Measuring ethical reasoning in higher education*. Paper presented at the annual meeting of the New England Educational Research Organization: Hyannis, MA.
- Koh, S., Sonnabend, L., Sharpes, K., Compton, E., & **Stemler, S.E.** (April, 2008). *Measuring intercultural literacy in higher education*. Paper presented at the annual meeting of the New England Educational Research Organization: Hyannis, MA.
- Wu, M., Sonnabend, L., Compton, E., Dinsmore, E., & **Stemler, S.E.** (April, 2008). *Measuring social intelligence in higher education*. Paper presented at the annual meeting of the New England Educational Research Organization: Hyannis, MA.
- Sharpes, K., Bar-David, E., Koh, S., & **Stemler, S.E.** (April, 2008). *Measuring civic engagement in higher education*. Paper presented at the annual meeting of the New England Educational Research Organization: Hyannis, MA.
- Jarvin, L., & **Stemler, S.E.** (March, 2008). *Using the theory of successful intelligence as a framework for developing assessments in AP physics*. Paper presented at the annual meeting of the American Educational Research Association: New York, New York.

- Elliott, J., **Stemler, S.E.**, Grigorenko, E.L., & Sternberg, R.J. (July, 2007). *Practical intelligence in school: A comparison between experienced and novice teachers*. Paper presented at the XI biennial meeting of the International Association for Cognitive Education and Psychology. Knoxville, TN, USA
- Kahn, R., & **Stemler, S.E.** (July, 2007). *Relationships over time: A model for supporting and implementing parent/professional collaboration*. Paper presented at the XI biennial meeting of the International Association for Cognitive Education and Psychology. Knoxville, TN, USA.
- Stemler, S.E.**, & Sonnabend, L. (April, 2007). *A large-scale analysis of the purpose of schools in the era of NCLB*. Paper presented at the annual meeting of the New England Educational Research Organization: Portsmouth, NH.
- Stemler, S.E.**, & Elliott, J. (July, 2005). *Measuring teachers' practical skills*. Paper presented at the X biennial meeting of the International Association of Cognitive Education and Psychology: Durham, England.
- Stemler, S.E.**, & Grigorenko, E.L., Jarvin, L., & Sternberg, R.J.. (July, 2005). *Measuring thinking skills in AP statistics and psychology*. Paper presented at the X biennial meeting of the International Association of Cognitive Education and Psychology: Durham, England.
- Stemler, S.E.**, Elliott, J., Grigorenko, E.L., & Sternberg, R.J. (April, 2005). *Practical intelligence and teacher preparation*. Paper presented at the annual meeting of the American Educational Research Association: Montreal, Quebec.
- Stemler, S.E.** (April, 2004). *Interrater reliability and the many-facets Rasch model: A comparative example*. Paper presented at the annual meeting of the American Educational Research Association: San Diego, CA.
- Birney, D.P., **Stemler, S.E.**, Grigorenko, E.G., & Sternberg, R.J. (April, 2004). *An application of the many-facet Rasch measurement approach to the evaluation of triarchic instruction*. Paper presented at the annual meeting of the American Educational Research Association: San Diego, CA.
- Bebell, D., & **Stemler, S.E.** (April, 2004). *Reassessing the objectives of educational accountability in Massachusetts: The mismatch between Massachusetts and the MCAS*. Paper presented at the annual meeting of the American Educational Research Association: San Diego, CA.
- Sternberg, R.J., & **the Rainbow Project Collaborators** (April, 2004). *Using measures of creative and practical skills to predict college success*. Paper presented at the annual meeting of the American Educational Research Association: San Diego, CA.
- Sternberg, R.J., Grigorenko, E.L., Jarvin, L., & **Stemler, S.E.** (April, 2003). *Enhancing higher-order thinking and learning in AP Psychology and Statistics*. Paper presented at the annual meeting of the American Educational Research Association: Chicago, IL.
- Stemler, S.E.** (April, 2003). *Using the many-FACETS Rasch model to "measure" student achievement in AP Statistics*. Paper presented at the annual meeting of the New England Educational Research Organization – Institute for Objective Measurement. Portsmouth, NH.
- Bebell, D., & **Stemler, S.E.** (April, 2002). *MCAS and the purpose of school*. Paper presented at the annual meeting of the New England Educational Research Organization: Northampton, MA.
- Stemler, S.E.** (April, 2002). *Exploring school effectiveness at the fourth grade on TIMSS*. Paper presented at the annual meeting of the American Educational Research Association: New Orleans, LA.
- Stemler, S.E.** (April, 2001). *The design and development of TIMSS 1999*. Paper presented at the annual meeting of the American Educational Research Association: Seattle, WA.
- Stemler, S.E.** (April, 2000). *A Rasch analysis of the purpose of school survey*. Paper presented at the annual meeting of the New England Educational Research Organization – Institute for Objective Measurement: Portsmouth, NH.

O'Connor, K.M., & **Stemler, S.E.** (April, 2000). *Monitoring quality control in data collection*. Paper presented at the annual meeting of the American Educational Research Association: New Orleans, LA.

Stemler, S.E., & Bebell, D. (April, 1999). *An empirical approach to understanding and analyzing the mission statements of selected educational institutions*. Paper presented at the annual meeting of the New England Educational Research Organization: Portsmouth, New Hampshire.

Stemler, S.E. (April, 1998). *The purpose of school in American society: An analysis of school mission statements*. Paper presented at the annual meeting of the New England Educational Research Organization: Portland, ME.

PRESENTATIONS – Peer-Reviewed Poster Presentations

(Postdoctoral fellows underlined)

Stemler, S.E., Imada, T., & Sorkin, C. (April, 2012). *Development and analysis of the Wesleyan Intercultural Competence Scale (WICS)*. Poster presented at the annual meeting of the American Educational Research Association (AERA). Vancouver, Canada.

Kahn, R., Berchin-Weiss, J., & **Stemler, S.E.** (July, 2007). *Enhancing parent participation in early intervention by using tools for mediated learning*. Poster presented at the XI biennial meeting of the International Association for Cognitive Education and Psychology. Knoxville, TN, USA.

PRESENTATIONS – Session Chair

Stemler, S.E. (April, 2011). *Test validity for English Language Learners and special populations*. Annual meeting of the American Educational Research Association: New Orleans, LA.

Stemler, S.E. (April, 2008). *Developing new measures of higher education outcomes*. Annual meeting of the New England Educational Research Organization: Hyannis, MA.

Stemler, S.E. (April, 2006). *Rasch measurement investigations of DIF and scaling*. Annual meeting of the American Educational Research Association: San Francisco, CA.

Stemler, S.E. (April, 2004). *School effects: An international perspective*. Annual meeting of the American Educational Research Association: San Diego, CA.

Stemler, S.E. (April, 2003). *The district and the school: District level effects on school effectiveness and school improvement*. Annual meeting of the American Educational Research Association: Chicago, IL.

Stemler, S.E. (September, 2002). *Personal responsibilities and impediments to moral functioning*. National Invitational Conference on Nurturing Morality: Racine, WI. Sponsored by The Johnson Foundation and the Laboratory for Student Success: The Mid-Atlantic Regional Educational Laboratory at Temple University Center for Research in Human Development and Education.

PRESENTATIONS – Discussant

Stemler, S.E. (May, 2012). *Impact evaluation*. Annual meeting of the New England Educational Research Organization (NEERO). Portsmouth, NH.

Stemler, S.E. (April, 2011). *Professional development and inquiry*. Annual meeting of the New England Educational Research Organization. New Bedford, MA.

Stemler, S.E. (May, 2009). *Science of human measures workshop*. Sponsored by the Army Research Institute: Newport News, VA.

Stemler, S.E. (April, 2006). *Probes and reflections in multiple intelligences*. Annual meeting of the American Educational Research Association: San Francisco, CA.

- Stemler, S.E.** (April, 2006). *A comparative study on measurement instruments for moral judgment: Selecting an appropriate instrument*. Annual meeting of the American Educational Research Association: San Francisco, CA.
- Stemler, S.E.** (April, 2005). *Reframing the study of “intelligence”: Looking more closely at human abilities*. Annual meeting of the American Educational Research Association: Montreal, Quebec.
- Stemler, S.E.** (April, 2004). *Practical applications of Rasch measurement: Part II*. Annual meeting of the American Educational Research Association: San Diego, CA.
- Stemler, S.E.** (April, 2004). *Multiple intelligences: Selected dynamics*. Annual meeting of the American Educational Research Association: San Diego, CA.
- Stemler, S.E.** (April, 2003). *The district and the school: District level effects on school effectiveness and school improvement*. Annual meeting of the American Educational Research Association: Chicago, IL.
- Stemler, S.E.** (April, 2003). *Improving schools, improving learning*. Annual meeting of the American Educational Research Association: Chicago, IL.

PROFESSIONAL ACTIVITIES

Editorial Board

Learning and Individual Differences (2006 – present)

Scholarly Journals (ad hoc reviewer)

Educational Assessment Journal
 Educational Evaluation and Policy Analysis
 European Journal of Psychological Assessment
 Frontiers in Quantitative Psychology and Measurement
 Intelligence: A Multidisciplinary Journal
 International Journal of Educational and Psychological Assessment
 Journal of Mixed Methods Research
 Psychological Methods
 Teachers College Record
 Urban Education

Grant Proposals (reviewer)

National Science Foundation REESE program
 Qatar National Research Fund
 Research Grants Council (RGC) of Hong Kong

Conference Proposals (reviewer)

American Educational Research Association
 Division D
 School Effectiveness and School Improvement Special Interest Group
 Rasch Measurement Special Interest Group
 Multiple Intelligences Special Interest Group
 Moral Development and Education Special Interest Group

Professional Standards (reviewer)

The Personnel Evaluation Standards – Joint Committee on Standards, Western Michigan University

TEACHING EXPERIENCE

- 2005- **Wesleyan University, Department of Psychology**
Assistant Professor, (a) Foundations of Contemporary Psychology, (b) Psychological Measurement, (c) Introductory Statistics, (d) Advanced Seminar in Psychological Measurement, (e) Psychology of Conflict Resolution. Responsible for course development, instructional delivery, assessment of student performance, and supervision of graduate and undergraduate teaching assistants.
- 2002- **Framingham State College, International Education Program**
Faculty, Research and Evaluation Methodology. Taught two-week intensive courses in Nicaragua (2009), Costa Rica (2004), and the Dominican Republic (2001).
Delivered onsite instruction to K-12 teachers and administrators pursuing their Masters degree in Education.
- 2001-2003 **Framingham State College, Division of Graduate and Continuing Education**
Visiting Instructor, Research and Evaluation. Developed the curriculum, conducted interactive and asynchronous lessons, and evaluated student performance for this online, graduate level course.
- 2000-2001 **Boston College, Lynch School of Education**
Teaching Assistant, Large-Scale Assessment and Quantitative Data Collection Procedures. Co-develop syllabus, graded papers, and taught various sessions of this graduate level course (with Prof. Ina V.S. Mullis).
Teaching Assistant, Classroom Assessment. Co-develop syllabus, graded papers, and taught various sessions of this undergraduate level course (with Prof. Ina V.S. Mullis).

UNDERGRADUATE RESEARCH SUPERVISION - Research Lab and/or Research Tutorial

- 2011-2012 Julian Applebaum, Catherine Doran, Emily Hunt, Jillian Ruben, Jessica Shevins, Amy Toig
- 2010-2011 Julian Applebaum, Sally Lynn Edmonds, Samantha Epstein, Melanie Ferdinand, Enjie Romero-Garcia, Rebecca Lange, Dan McNeish, Kelsey Vela, Robyn Wolin
- 2009-2010 Christine Baltrusitis, Senna Georges, Alex Hartley, Dale Kobrin, Dan McNeish, Justin Papermaster, Imogene Strauss, D'or Seifer, Jamie Weitzen, Robyn Wolin
- 2008-2009 Tim Archibald, Eyal Bar-David, Chris Foster, Senna Georges, Alex Hartley, Newman Hoffman, Vidya Neelakantan, Tedd Olson, Sam Robinson, Lauren Sonnabend, Taylor Stevenson, Imogene Strauss, Michelle Taliaferro, Jamie Weitzen
- 2007-2008 Eyal Bar-David, Ellen Bartolini, Melanie Buford, Emily Compton, Ellen Dinsmore, Iliana Garcia, Allison Heaney, Newman Hoffman, Shuwei Koh, Tara Moore, Vidya Neelakantan, Jodi Rubenstein, Kirsten (Haller) Sharpes, Lauren Sonnabend, Max Wu
- 2006-2007 Kirsten (Haller) Sharpes, Lauren Sonnabend, Max Wu
- 2005-2006 Laura Fogliano

THESIS SUPERVISION

Alex Hartley, '10, B.A. in Psychology with High Honors
Senna Georges, '10, B.A., in Psychology with Honors
Lauren Sonnabend, '08, M.A. in Psychology '09
Kirsten Sharpes, '08, B.A. in Psychology with High Honors
Max Wu, '08, B.A. in Psychology with Honors
Rebecca Littman, '08, B.A. in Psychology with High Honors

THESIS READING

Leslie Tan, '11, '12 M.A. in Psychology (*committee member*)
Zachary LeClair, '10 B.A. in Psychology
D'or Seifer, '10 B.A. in Psychology
Steven Wengrovitz, '06, '07 M.A. in Psychology (*committee member*)
Laura Fogliano, '06 B.A. in Psychology and Religion (*reader of thesis in Religion*)
Stephanie Marshall, '05, '06 M.A. in Psychology (*committee member*)

POSTDOCTORAL RESEARCH SUPERVISION

Dr. Toshie Imada, 2010-2012 (co-advised with Dr. Patricia Rodriguez-Mosquera)

DEPARTMENT AND UNIVERSITY SERVICE

Wesleyan University Ad Hoc committee investigating offering a Masters in Teaching (2012-present)
Wesleyan University Committee on International Studies (2011-present)
Wesleyan University Ad Hoc committee on the Evaluation of Teaching (2010–present)
Psychology Department Postdoctoral Committee (2010-2012)
Psychology Department Institutional Review Board Committee (2009-2010)
Wesleyan Prison Program, Evaluation consultant (2009)
University Residential Life Program, assessment consultant (2009)
Student Affairs leadership team, assessment consultant (2009)
Wesleyan University First-Year Matters Initiative, discussion leader (2009/2011)
Junior faculty representative on EPC sub-committee to investigate moving to online student course evaluations (2008)
Educational Policy Committee, assessment consultant (2008)
Psychology Department Ploughback Committee (2007-2009)
Psychology Department Search Committee (2006-2007) for Biological Psychology position
Psychology Department Search Committee (2005-2006) for Cognitive Psychology position
Psychology Department Participant Pool Committee (2005-)

UNIVERSITY SERVICE – Invited Talks Given at Wesleyan University (Sponsor listed)

Wesleyan Chapter of Students for Educational Reform (2012)
Wesleyan Chapter of Teach for America and the Breakthrough Collaborative (2011)
Wesleyan University Natural Sciences and Mathematics Lunch Seminar (2010)
Beta Theta Pi Lecture Series (2009)
Beta Theta Pi Lecture Series (2006)

CONSULTING

Boston College, Time to Know Project. Provided technical advising on research design, assessment, and data analysis. Assisted with data collection in New York City public schools for this project aimed at evaluating the impact of one-to-one technology on primary education (2010-present).

Lexington School for the Deaf. Performed data analysis and interpretation of results of results. Assisted with development of grant proposal to study mediated learning strategies and parent-child interactions (2007-2010).

Naperville County Public School District. Performed data analysis and interpretation of results of the TIMSS 1999 Benchmarking test for all schools in the Naperville County, IL (2001-2002).

District of Columbia Public Charter School Board. Performed data analysis and interpretation regarding Stanford 9 Achievement Test results for all Charter Schools in the District of Columbia. Developed a summary report putting their results into a national context (1999).

Massachusetts Board of Higher Education. Worked with representatives from community colleges, state colleges, and state university branches to identify data analysis needs. Performed institutional research using the Integrated Post-secondary Education Data System (IPEDS). Invited to speak to the staff of the Education Committee for the Massachusetts House of Representatives about the validity and reliability of the Massachusetts Teacher Test (1998).

NEWS/MEDIA

National Public Radio (September 17, 2007). Interviewed on *Where We Live* regarding research on mental flexibility.

Begley, Sharon (August 20-27, 2007). The Puzzle of Hidden Ability. *Newsweek Magazine* (p. 50). Online version downloaded from <http://www.newsweek.com/id/32250> on August 13, 2007.

PROFESSIONAL ASSOCIATIONS

American Educational Research Association (AERA)

Division D (Measurement & Research Methodology)

Division J (Postsecondary Education)

Cognition and Assessment Special Interest Group

Moral Development and Education Special Interest Group

Multiple Intelligences Special Interest Group

Rasch Measurement Special Interest Group

Test Validity Research and Evaluation Special Interest Group

American Psychological Association (APA)

Division 5 (Evaluation, Measurement, and Statistics)

Division 8 (Society for Personality & Social Psychology)

Division 14 (Society for Industrial and Organizational Psychology - SIOP)

Division 15 (Educational Psychology)

Division 48 (Society for the Study of Peace, Conflict, & Violence: Peace Psychology)

Association for Psychological Science (APS)

International Association for Cognitive Education and Psychology (IACEP)

New England Educational Research Organization (NEERO)