

Susan Amato-Henderson, Ph.D.  
Curriculum Vitae  
December, 2013

Associate Professor of Psychology  
Department of Education  
Michigan Technological University  
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## EDUCATION

Ph.D., Experimental Psychology, University of North Dakota, Grand Forks, ND., May, 1996

M.A., Psychology, University of North Dakota, Grand Forks, ND., December, 1993

B.S., Psychology, Northern Michigan University, Marquette, MI., May, 1991

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## PROFESSIONAL EMPLOYMENT

*Associate Professor, Member of Graduate Faculty*

*Department of Cognitive and Learning Sciences, Michigan Technological University, Houghton, MI 49931, 2000 – present (Assistant Professor 2000 – 2006)*

*Undergraduate Program Director, 2002 – present*

*Applied Cognitive Science and Human Factors Graduate Program Director, May 2013 - present*

*Undergraduate Courses taught:* Principles of Psychology, Cognitive Psychology, Experimental Methods, Developmental Psychology, Psychology of Science and Technology, Psychological Foundations in Education, Physiological Psychology, Statistics in the Social and Behavioral Sciences, Positive Psychology, Psychology and Law, Behavior Modification, Introduction to the Psychology Major, Senior Seminar: Psychology Capstone, Psychology of Gender, Motivation and Emotion.

*Graduate Courses taught:* Responsible Conduct of Research

*Lecturer, Canadian Police College, Polygraph Training Course, Ottawa, Ontario, CA, 1999 - 2013*

One week courses on Psychophysiology & Psychology as part of 14 week Polygraph training program for international law enforcement examiner trainees, mentoring of examiners upon completion of course.

*Assistant Professor, Department of Psychology, Boise State University, Boise, ID, 1996 – 2000*

*Undergraduate Courses taught:* General Psychology, Theories of Learning, Statistics, Service Learning Courses

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## THESIS AND DISSERTATION

Amato, S.L. (1993). *A Survey of Members of the Society for Psychophysiological Research Regarding the Polygraph: Opinions and Implications*. Unpublished Master's Thesis, University of North Dakota, Grand Forks, ND.

Amato-Henderson, S. (1996). *Effects of Misinformation as Revealed Through the Concealed Knowledge Test*. Dissertation Abstracts International, order # AAC 9701193.

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## PROFESSIONAL MEMBERSHIPS

Rocky Mountain Psychological Society (RMPA)

Midwestern Psychological Society (MPA)

Psi Chi, International Honor Society in Psychology

American Psychological Association (APA)

Association of Psychological Science (APS)

International Association of Cross Cultural Psychology (IACCP)

**AWARDED GRANTS AND RESEARCH APPLICATIONS**

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*Research in Engineering Self-Efficacy of Minority Students*, Co-PI, NSF EEC proposal # 1025191. 9/1/10 – 8/31/13. Award amount \$399,827

*Responsible Conduct of Research in Science and Engineering Education: Moral Motivation and Ethical Sensitivity in Multi-National Graduate Students*, Co-PI, NSF SES, Ethics and Values in Science, Engineering and Technology, Proposal #0832922. 9/1/08 – 8/31/12. Award amount: \$299,614.

*First Year Innovation & Design in Engineering for Academic Success (IDEAS) Modules and Center*, Co-PI, NSF DUE, Proposal # 0836861. 3/1/09 - 3/1/12. Award Amount: \$149,780.00

*Assessing Impact of Teaching, Mentoring and Advising on Students in the Enterprise Program* Co-PI, NSF EEC Proposal # 0835986, 1/1/09 – 12/31/09. Award amount: \$97,074.

*High School Enterprise*, Co-PI, NSF DRL-ITEST Proposal #0833542. 12/1/08 – 5/1/10. Award amount: \$1,496,855.

*Assessing the Carrying Capacity of the Great Lakes Natural Environment of Western Michigan*, Co-PI, Colcom Foundation, 11/01/08 – 05/01/2010. Award Amount: \$115,100.

*YES! Expo Assessment*, 2007-2008, Dow Foundation, Principal Investigator, \$10,000.

*YES! Expo Assessment*, 2006-2007, Dow Foundation, Principal Investigator, \$4023.

*Assessing Service Learning & Service Learning Institutionalization within the Copper Country Intermediate School District (2006-2007)*, Copper Country Intermediate School District, Principal Investigator, Award Amount: \$20,643.

*The Century II Campaign Endowed Equipment Grant (C<sup>2</sup>E<sup>2</sup>)*, MTU Internal Award for purchase of polygraph equipment, \$3,075.00, 2001

*Utah's national Parks: Virtual-Learning in Geoscience Education*, Consultant National Science Foundation, Assessment of cd-rom based education materials for earth science courses, J. Huntoon, Principal Investigator, Award Amount \$429,000, 1998-2001

*Effects of Various Pretest Procedures on the Validity of Comparison Question Tests*, Dept. of Defense Polygraph Institute, Office of Naval Research, Co-Principal Investigator, \$148,273.14 (Approved for funding, Government budget freeze and subsequent budget cut prevented award allocation), 2000

*Validity of Outside-Issue Questions in the Control Question Test*, Dept. of Defense Polygraph Institute, Office of Naval Research, Co-Principal Investigator, \$129,042, 1998 – 2000

*The Automated Polygraph Examination (APE)*, United States Federal Government, Co-Principal Investigator with Charles R. Honts, Contract Amount: \$132,000, 12/11/1997 – 1999

*Effects of Misinformation of the Concealed Knowledge Test*, Principal Investigator, Dissertation Research Award through PERSEREC, Office of Naval Research Department of Defense Polygraph Institute, Award Amount: \$14,964, 1995 – 1996

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**SUBMITTED (DECLINED) GRANTS AND RESEARCH APPLICATIONS**

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*Effects of Gender-Based Microaggressions on STEM Students*, PI, NSF REESE. Amount Requested: \$499,820. Submitted July 1, 2012, Declined for Funding. Resubmission planned for July 2014.

*Case Studies in Science and Engineering Values: A Biographical/Autobiographical Approach to Ethics Education in Science and Engineering*, Co-PI, NSF. Amount Requested: \$399,967. Submitted March, 2012. Declined for Funding.

*Assessing the Impact of Participation in Michigan Technological University's Enterprise Program on Engineering Leadership and Post-Graduation Career Success*, PI, NSF DUE proposal # 1140580. Amount requested: \$197,059; Submitted 05/26/11, Declined for funding 10/24/11.

*Case Studies in Science and Engineering Values: A Biographical/Autobiographical Approach to Ethics Education in Science and Engineering*. Co-PI, NSF SES proposal #1135219. Amount requested: \$283,304; Submitted 03/11/11, Declined for funding 06/13/11.

*Case Studies of the Successful Diffusion of Innovative Engineering Education Practices*, Co-PI, NSF EEC proposal #1129372. Amount requested: \$188,682; Submitted 02/11/11, Declined for funding 06/11/11.

*Assessing the Impact of Participation in Michigan Technological University's Enterprise Program on Post-Graduation Career Success*. Co-PI, NSF DUE proposal # 1044051. Amount requested: \$182,733; Submitted 05/26/10, Declined for funding 09/20/10.

*Learning through Integrated Engineering Connections (LINC)*. Co-PI, NSF DUE proposal #1043851. Amount requested: \$199,610; Submitted 05/26/10, Declined for funding 09/21/10.

*Case Study: Assessing the Factors Necessary for (and Barriers to) Broad Adoption of Michigan Technological University's Enterprise Program Model*. Co-PI, NSF EEC proposal #1037581. Amount requested: \$149,150; Submitted 03/30/10, Declined for funding 07/13/10.

*A Survey of Faculty Perceptions of Responsible Conduct of Research among STEM Graduate Student Researchers*. Co-PI, NSF SES Proposal #1032789. Amount requested: \$299,217; Submitted 02/26/10, Declined for funding 06/21/10.

*Assessing the Impact of Participation in Michigan Technological University's Enterprise Program on Post-Graduation Career Success*. Co-PI, NSF ECE Proposal #1025174. Amount requested: \$183,920; Submitted 01/20/10, Declined for funding 05/07/10.

*First-Year Renewable and Sustainable Technology (FYRST) Project*. Co-PI, NSF EEC Proposal #0935003. Amount requested: \$149,826; Submitted 03/11/09, Declined for funding 12/23/09.

*Research in Engineering Self-Efficacy of Minority Students*. Co-PI, NSF EEC Proposal #0934983. Amount requested: 399,627; Submitted 03/11/09, Declined for funding 10/12/09.

*The Process of Learning Object Search, Selection, and Evaluation by STEM Teachers (PLOSSE)*, National Science Foundation, Co-Principal Investigator, \$358,960, Declined  
Research on Messages and Strategies to Increase Interest in Electrical, Computer, and Mechanical Engineering for Young Women, National Science Foundation-GSE, Co Principal Investigator, \$500,000 (unfunded)

Center for K-12 Technology and Engineering Education, *Proposal submitted to NSF, July, 2005 (unfunded)*, Senior personnel, assessment for proposed learning center.

**AWARDS**

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*Recognition for Outstanding Service, Psi Chi, The International Honor Society in Psychology, 2010 – 2013*

*Michigan Tech Distinguished Teaching Award nominee & Academy of Teaching Excellence Inductee, 2002, 2007*

*Recognition of Continued Dedication to the Polygraph Profession, Canadian Association of Police Polygraphists Region 5 & the Maine Polygraph Association, 2002*

*Recognition for Outstanding and Distinguished Service on the Psi Chi National Council, Rocky Mountain Regional Vice-President, 1999 – 2001*

*Faculty Teaching Award, College of Social Sciences and Public Affairs, Boise State Univ, 1999*

*Faculty Research Awards, College of Social Sciences and Public Affairs, Boise State University, 1996, 1997, 1998, 1999.*

*Faculty Service Award, College of Social Sciences and Public Affairs, Boise State Univ, 1999*

*Faculty Research Associate Award, College of Social Sciences and Public Affairs and Office of Research Administration, Boise State University, 1999 – 2000*

*Undergraduate Research Initiative Awards, College of Social Sciences and Public Affairs, Boise State University, 1998, 1999*

**PROFESSIONAL PUBLICATIONS**

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*Student co-authors denoted with \**

\*Brown, K., Amato-Henderson, S.L., Haut Donahue, T.L., Sorby, S.A. (2012) *Engineering Self-Efficacy of Women Engineering Students at Urban vs. Rural Universities*, American Society for Engineering Education Conference Proceedings.

Raber, M. & Amato-Henderson, S.L. (2012) *Assessing the Impact of Faculty Teaching, Advising and Mentoring in an Alternative Multi-Year, Interdisciplinary Capstone Design Program*, American Society for Engineering Education Conference Proceedings.

Amato-Henderson, S.L., Kemppainen, A.J., Hein, G.L. (October, 2011) *Assessing Creativity in Engineering Students*, Frontiers in Education Annual Proceedings.

Bowler, M. Amato-Henderson, S., Drummer, T., Holles, J., \*Schreiber, J., Lockhart, T., Charlesworth, D., Ren, J. (2011). *Does a STEM Researcher's Role Orientation Predict His or Her Ethical Sensitivity to Responsible Conduct of Research?* American Society for Engineering Education Conference Proceedings.

\*Brown, K., Amato-Henderson, S.L., Haut Donahue, T.L., Sorby, S.A. (2011). *Are There Differences in Engineering Self-Efficacy Between Minority and Majority Students Across Academic Levels?*, American Society for Engineering Education Conference Proceedings, Vancouver, BC.

Hein, G.L., Kemppainen, A.J., Amato-Henderson, S.L. (2011). *First-Year Engineering Students and Ethical Analysis*, American Society for Engineering Education Conference Proceedings.

**PROFESSIONAL PUBLICATIONS, CONT.**

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Bowler, M. Amato-Henderson, S., Drummer, T., Holles, J., \*Schreiber, J., Lockhart, T., Charlesworth, D., Ren, J. (2010). *Assessing Role Orientation Among STEM Researchers: Development of a Research Role Orientation Inventory*, American Society for Engineering Education Conference Proceedings.

Bowler, M. Amato-Henderson, S., Drummer, T., Holles, J., \*Schreiber, J., Lockhart, T., Charlesworth, D., Ren, J. (2010). *Testing for Ethical Sensitivity to Responsible Conduct of Research Among Multi-National STEM Researchers*, American Society for Engineering Education Conference Proceedings.

Hein, G.L., Kempainen, A.J., Amato-Henderson, S.L., Keith, J.M. (2010). *Who Creates and Develops First-Year Engineering Design Activities?*, American Society for Engineering Education Conference Proceedings.

Kempainen, A.J., Amato-Henderson, S.L., Hein, G.L. (October, 2010) *Work in Progress: Refining a Technical Communication Rubric for First-Year Engineering Instructors*, Frontiers in Education Annual Proceedings.

Amato, S.L., Lehman, J.B. & Cattelino, P. (2009). Outreach to Prospective Engineering Students: Michigan Technological University's YES! Expo. *International Journal of Engineering Education*, 25 (3), 444-451.

Amato-Henderson, S.L., \*Mariano, J., Cattelino, P. J., & Hannon, B. G. (2007). *Who You Know Does Matter in Engineering Self Efficacy*, Proceedings of the American Society for Engineering Education North Midwest Sectional Conference.

Cattelino, P.J., Artman, L. A., Amato-Henderson, S.L., Lehman J.B., & Hannon, B. G. (2007). *YES! Expo – Inspiring Youth to Pursue Education and Careers in Science and Engineering*, Proceedings of the American Society for Engineering Education North Midwest Sectional Conference.

Honts, C. R. & Amato, S.L. (2007). Automation of a screening polygraph test increases accuracy. *Psychology, Crime & Law*. 13(2), 187-199.

Honts, C. R., Amato, S., & Gordon, A. (2004). Effects of Outside Issues on the Comparison Question Test. *The Journal of General Psychology*, 131(1), 53-74.

Honts, C. R., & Amato, S. (2002). Countermeasures. In M. Kleiner (Ed.), *The Handbook of Polygraph Testing*. London: Academic Press, (251 – 264).

\*Otter-Henderson, K., Honts, C. R., & Amato, S. L. (2002). Spontaneous countermeasures during polygraph examinations: An apparent exercise in futility. *Polygraph*, 31, 9-14.

Honts, C.R. & Amato, S. (2001). *Psychophysiological Credibility Assessment*, Journal of Forensic Psychology Practice, 1, 87-99.

Honts, C.R., Amato, S.L. & Gordon, A.K. (2001). Effects of spontaneous countermeasures used against the comparison question test. *Polygraph*, 30, 1-9.

Honts, C.R., Raskin, D.C., Amato, S.L., Gordon, A. & Devitt, M. (2000). The Hybrid Directed-Lie Test, The Overemphasized comparison question, chimeras and other inventions: A rejoinder to Abrams (1999). *Polygraph*, 29, 156-168.

**PROFESSIONAL PUBLICATIONS, CONT.**

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Raskin, D. C., Honts, C. R., Amato, S., & Kircher, J. C. (2000). The case for the admissibility of the results of polygraph examinations: In D. L. Faigman, D. Kaye, M. J. Saks, & J. Sanders (Eds.) *Modern scientific evidence: The law and science of expert testimony: Volume 1 2000 Pocket Part* (201-217).

Raskin, D. C., Honts, C. R., Amato, S., & Kircher, J. C. (1999). The case for the admissibility of the results of polygraph examinations: 1999 Pocket Part to Vol. 1 of D. L. Faigman, D. Kaye, M. J. Saks, & J. Sanders (Eds.) *Modern scientific evidence: The law and science of expert testimony*. (pp. 160-174).

Tye, M. C., Amato, S. L., Honts, C. R., Devitt, M. K., & Peters, D. P. (1999). The willingness of children to lie and the assessment of credibility in an ecologically relevant laboratory setting. *Applied Developmental Science, 3*, 92-109.

Plaud, J. J., Gaither, G. A., Amato-Henderson, S. L., & Devitt, M. K. (1997). The long-term habituation of sexual arousal in human males: A crossover design. *The Psychological Record, 47*, 385-398.

Gaither, G. A., Rosenkranz, R. R., Amato-Henderson, S. Plaud, J. J., & Bigwood, S. (1996). The effects of condoms in sexually explicit narratives on male sexual arousal. *Journal of Sex and Marital Therapy, 22*, 103-109.

Amato-Henderson, S. L. & Honts, C. R. (1995). Horizontal gaze nystagmus test: The state of the science in 1995. *North Dakota Law Review, 71*, 671-700.

**PUBLISHED ABSTRACTS AND FINAL REPORTS**

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Honts, C.R., Amato, S.L. & Gordon, A.K. (2000). *Validity of outside-issue questions in the control question test: Final report on grant no. N00014-98-1-0725*. Submitted to the Office of Naval Research and the Department of Defense Polygraph Institute. Applied Cognition Research Institute, Boise State University.

Honts, C. R., & Amato, S. L. (1999). *The automated polygraph examination: Final report*. Final report of U. S. Government Contract No. 110224-1998-MO. Boise State University.

Amato, S.L. (1996). *Effects of Misinformation as Revealed Through the Concealed Knowledge Test*. Department of Defense Polygraph Institute, Report No. DoDPI97-R- 0001.

Amato-Henderson, S. L., Honts, C. R., & Plaud, J. J. (1996). Effects of misinformation on the Concealed Knowledge Test. *Psychophysiology, 33*, S18. [Abstract]

Amato, S. L. & Honts, C. R. (1994). What do psychophysicologists think about polygraph tests? A survey of the membership of SPR. *Psychophysiology, 31*, S 22. [Abstract]

Honts, C.R., Devitt, M. K., & Amato, S. L. (1992). Neural network classifiers and the detection of deception revisited: Depth of learning and overfitting. *Psychophysiology, 29*, S38. [Abstract]

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**SCIENTIFIC PAPER PRESENTATIONS**

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*Student co-authors denoted with \**

Amato-Henderson, S.L., Wang, A.Y. (April, 2011). *What Makes an Effective Leader?* Invited symposium at the Rocky Mountain Psychological Association Annual Meeting, Salt Lake City, UT.

Amato-Henderson, S.L. (May, 2011). *Tips for Getting Into Graduate School.* Invited symposium at the Midwestern Psychological Association Annual Meeting, Chicago, IL.

Amato-Henderson, S.L., Kemppainen, A.J., Hein, G.L. (May, 2010). *What Constitutes Self Efficacy for Engineering Creativity?* Poster presentation at the Annual Midwestern Psychological Association meeting, Chicago, IL.

Bowler, M., Amato-Henderson, S. (December, 2010). Invited Address, *Bringing Empirical Methods to Bear Upon the Study of Ethics and Ethics Education in Science and Engineering*, Pacificchem 2010 - The International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, December 2010

Amato-Henderson, S, Bowler, M. (December, 2010). Invited Address, *The design, implementation, and results of a survey of faculty perceptions of STEM graduate students' preparedness to meet the challenges of research integrity*, Pacificchem 2010 - The International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, December 2010

Bowler, M. Amato-Henderson, S., Drummer, T., Holles, J., \*Schreiber, J., Lockhart, T., Charlesworth, D., Ren, J. (June, 2010). *Assessing Role Orientation Among STEM Researchers: Development of a Research Role Orientation Inventory*, American Society for Engineering Education, Louisville, KY.

Bowler, M. Amato-Henderson, S., Drummer, T., Holles, J., \*Schreiber, J., Lockhart, T., Charlesworth, D., Ren, J. (June, 2010). *Testing for Ethical Sensitivity to Responsible Conduct of Research Among Multi-National STEM Researchers*, American Society for Engineering Education, Louisville, KY.

Amato-Henderson, S.L., \*Mariano, J., Cattelino, P. J., & Hannon, B. G. (2007). *Who You Know Does Matter in Engineering Self Efficacy*, Paper presentation for the American Society for Engineering Education North Midwest Sectional Conference.

Cattelino, P.J., Artman, L. A., Amato-Henderson, S.L., Lehman J.B., & Hannon, B. G. (2007). *YES! Expo – Inspiring Youth to Pursue Education and Careers in Science and Engineering*, Paper presentation for the American Society for Engineering Education North Midwest Sectional Conference.

Amato, S.L., Kern, R.P., Niemiec\*, D., Christianson\*, J., & Cadeau\*, L. (April, 2006). The "Know It All" Effect: The Influence of Expert Witness Expertise on Mock Jurors. Paper presentation at the American Psychology-Law Society, St. Petersburg, FL.

Hall, \*I., Woller\*, M., Amato, S.L. (May, 2006). *Gender Nonconforming Behavior and Sexuality: The Validity of Stereotypes.* Poster presentation at the Midwestern Psychological Association conference, Chicago, IL.

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**SCIENTIFIC PAPER PRESENTATIONS, CONT.**

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Mullins, M.J., Niemiec, D., Amato, S.L. (May, 2006). Factors influencing vocational education course enrollment by disabled students: An exploratory study. Poster presentation at the Midwestern Psychological Association conference, Chicago, IL

Niemiec\*, D., Mullins\*, M.J., Amato, S.L. (May, 2006). The relationship between self efficacy and self esteem as mediated by Gender. Poster presentation at the Midwestern Psychological Association conference, Chicago, IL.

Luse, M. M., Niemiec\*, D, Mullins\*, M.J., Fogle\*, K., Amato, S.L. (April, 2005). *Understanding the Benefits of Service-Learning: A Literature Review*. Presentation at the Michigan Undergraduate Psychology Research Conference, Marquette, MI.

Mullins\*, M.J., Neimeic\*, D., Luse\*, M. M., Fogle\*, K., Amato, S.L. (April, 2005). *Mental Images of Time: Questioning a Linear Temporal Representation Model*. Presentation at the Michigan Undergraduate Psychology Research Conference, Marquette, MI.

S. L. Burns, C. R. Leith, H. A. Peterson, S. L. Amato, A. Tomlinson\*, J. Peterson\*, K. Livingston\*, A. Cross\*, D. Bruning\*, H. Patrick\*, and L. Clemins\* (June, 2003). *Stereotype threat and timing influence the outcome on a mental rotation test*. Paper presentation at the 15<sup>th</sup> annual American Psychological Society conference, Atlanta, Georgia.

Amato, S.L. (August, 2003). The State of the Science in Polygraph: Past, Present and Future Directions. Invited address, Canadian Association of Police Polygraphers, Ottawa, Ontario, Canada.

Amato, S.L. & Kern, R.P. (April, 2002). *What's Hot, What's Not? The Last 50 Years in Psychology and Law*. Paper presentation at the Biennial Meeting of the American Psychology-Law Society, Austin, Texas.

Amato, S.L. (April, 2001). *Where's the Beef? Obtaining and Demonstrating Skills Essential for Employment and Graduate School*. Psi Chi Symposium coordinator and presenter, Rocky Mountain Psychological Association Annual Meeting, Reno, Nevada.

Amato, S.L. (April, 2001). *Strengthening your Vita: Locating and Applying for Awards, Grants and Field-Related Experiences*. Psi Chi Symposium coordinator and presenter, Rocky Mountain Psychological Association Annual Meeting, Reno, Nevada

Amato, S.L. (June, 2001). *Thriving in Graduate School: Professional Development*. Symposium presentation for the Annual Psi Chi Convention in conjunction with the Annual meeting of the American Psychological Society, Toronto.

Amato, S.L., Burns, S. & Leith, C.R. (June, 2001). *Estimates of sexual attitudes as a function of attitudinal scale and gender*. Poster presented at the Annual meeting of the American Psychological Society, Toronto, Canada.

Amato, S.L., Tomasi\*, M., Phillips\*, A., Ravotas, D. (June, 2001). *Estimates of child welfare as an introduction to developmental psychology*. Teaching of Psychology poster presented at the Annual meeting of the American Psychological Society, Toronto, Canada.

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**SCIENTIFIC PAPER PRESENTATIONS, CONT.**

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Amato, S.L., Dillinger\*, R.J. & Craig, R.A. (August, 2000). *Self-serving comparison bias: Reports of familial interactions*. Paper accepted for presentation at the Annual American Psychology Association meeting, Washington D.C.

Amato, S.L., Dillinger\*, R.J. & Honts, C.R. (March, 2000). *Psychophysiological detection of deception exams in the treatment of sex offenders*. Paper presented at the Biennial Meeting of the American Psychology-Law Society, New Orleans, Louisiana.

Craig, R.A., Amato, S.L., Dillinger\*, R.J., Hodgins\*, D. & Grignol\*, D. (August, 2000). *Examining norms for potentially suspect parent-child interactions*. Paper presented at the Annual American Psychology Association meeting, Washington D.C.

Dillinger\*, R.J. & Amato, S.L. (March, 2000). *Does Megan's law really protect our children?* Paper presented at the Biennial Meeting of the American Psychology-Law Society, New Orleans, Louisiana.

Dillinger\*, R.J. & Amato, S.L., Diaz\*, C.R., Craig, R. (May, 2000). *Frequency of parent-child touching: Does nudity play a role?* Paper presented at the Midwestern Psychological Association Meeting, Chicago, IL.

Dillinger\*, R.J., Amato, S.L. & Hardy\*, K. (March, 2000). *The co-morbidity of zoophilia and pedophilia*. Paper presented at the Midwestern Psychological Association Meeting, Chicago, IL.

Honts, C. R., Amato, S., & Gordon, A. (March, 2000). *Outside issues dramatically reduce the accuracy of polygraph tests given to innocent individuals*. Paper presented at the Biennial Meeting of the American Psychology-Law Society, New Orleans, Louisiana.

Amato, S. L., & Honts, C. R. (May, 1999). *Automated polygraph examination outperforms human in employment screening context*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, Illinois.

Amato, S. L., & Honts, C. R. (July, 1999). *Polygraph testing in the American courts: A mismatch between science and the law*. Paper presented at the International Psychology Law Conference, Dublin, Ireland.

Amato, S.L. & Olson, R. (May, 1999). *The implementation of a service learning component in a Theories of Learning course*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, Illinois

Dillinger\*, R.J. & Amato, S. (1999, April). *Marital trends of sex offenders placed in an outpatient facility*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association, Ft. Collins, Colorado.

Honts, C. R., & Amato, S. (April, 1999). *Human v. machine: Research examining the automation of polygraph testing*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association, Fort Collins, Colorado.

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**SCIENTIFIC PAPER PRESENTATIONS, CONT.**

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Otter\*, K. D., Amato, S., & Honts, C. R. (1999, April). *Spontaneous countermeasures during polygraph examinations: An apparent exercise in futility*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association, Fort Collins Colorado.

Otter\*, K.D., Amato, S.L. & Norton\*, R. E. (1999, May). *From the perpetrator's perspective: Abuse characteristics as a function of victim gender and relationship to offender*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL

Reed\*, L. & Amato, S.L. (1999). *Identification of attitudes, knowledge & misperceptions regarding the WIC program*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association, Fort Collins Colorado.

Amato, S. (March 1998). *Subtle Sexual Abuse: Definitions, Opinions and Juror Ethnocentrism when Allegations of Abuse Arise*. Symposium organized and chaired by Susan Amato, presented during the biennial meeting of the American Psychology-Law Society (APA Division 41), Redondo Beach, CA.

Amato, S. (April, 1998). *Field sobriety tests: (Mis)use of the horizontal gaze nystagmus test*. Paper presented at the joint meeting of the Western and Rocky Mountain Psychological Associations, Albuquerque, NM.

Amato, S. & Honts, C.R. (March, 1998). *The impairing effects of misinformation: Challenging the permanence of memory*. Paper presented at the biennial meeting of the American Psychology-Law Society (APA Division 41), Redondo Beach, CA.

Amato, S., Nowell\*, B., Lamet\*, J., & Spalding\*, R. (March, 1998). Factors influencing opinions of appropriateness of parent-child interactions. Paper presented at the biennial meeting of the American Psychology-Law Society (APA Division 41), Redondo Beach, CA.

Amato, S. & Olson, R. (June, 1998). *The ABC's of Research in Service-Learning: Application, Benefits and Compatibility*. Annual Continuums of Service Conference, Portland, OR.

Baker\*, B.G., Erwin\*, C.S., Amato, S., Norton\*, R.E., & Lyerla\*, E. (April, 1998). *Paraphilias: What they tell us about monitoring sex offenders*. Paper presented at the joint meeting of the Western and Rocky Mountain Psychological Associations, Albuquerque, NM.

Kuehfuss\*, K.A., Amato, S. & Johnson\*, J. (April, 1998). *Study habits and exam performance of introductory psychology students*. Paper presented at the joint meeting of the Western and Rocky Mountain Psychological Associations, Albuquerque, NM.

Lyerla\*, E., Norton\*, R.E., Baker\*, B.G., Amato, S., & Erwin\*, C.S. (April, 1998). *Is sexual offender DSM Diagnosis associated with number of victims?* Paper presented at the joint meeting of the Western and Rocky Mountain Psychological Associations, Albuquerque, NM.

Norton\*, R.E., Lyerla\*, E., Amato, S., Baker\*, B., & Erwin\*, C.S. (1998). *Diagnostic pattern between sex offenders DSM Diagnoses and victim age*. Paper presented at the joint meeting of the Western and Rocky Mountain Psychological Associations, Albuquerque, NM.

**SCIENTIFIC PAPER PRESENTATIONS, CONT.**

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Otter\*, K.D., Arendt\*, K.M., Amato, S., & Erwin\*, C.S. (April, 1998). *Homes, cars, parks,...; Where does sexual abuse occur?* Paper presented at the joint meeting of the Western and Rocky Mountain Psychological Associations, Albuquerque, NM.

Amato, S.L. & Honts, C.R. (August, 1997). *Understanding misinformation's effect on memory through a concealed knowledge test paradigm.* Paper presented at the American Psychological Society annual meeting, Washington, DC.

Kueh fuss\*, K., Mathias\*, S., Morrison\*, J. & Amato, S.L. (April, 1997). *Credibility Judgments of "expert" eyewitnesses vs. "non-expert" eyewitnesses.* Paper presented at the annual meeting of the Rocky Mountain Psychological Association, Reno, Nevada.

Nowell\*, B., Lamet\*, J., Amato, S. & Honts, C.R. (April, 1997). *Child abuse vs. normal interactions: A review of the literature.* Paper presented at the annual meeting of the Rocky Mountain Psychological Association, Reno, Nevada.

Amato-Henderson, S., Honts, C. R., & Plaud, J. J. (October, 1996). *Effects of misinformation on the concealed knowledge test.* Paper presented at the 36<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Vancouver, British Columbia, Canada.

Amato-Henderson, S., Hunter\*, P. J., & Mayer\*, K. A. (March, 1996). *Environmental familiarity and susceptibility to misinformation.* Paper presented at the Red River Valley Psychology Conference, Fargo, ND.

Plaud, J. J., Amato-Henderson, S. A., Devitt, M. K., & Gaither, G. A. (May, 1996). *The long-term habituation and spontaneous recovery of sexual arousal in human males: A cross-over design.* Paper presented at the meeting of the Association for Behavior Analysis, San Francisco, CA.

Robbins, G. M., Holm, J. E., Amato-Henderson, S., & Caraway, J. (April, 1996). *Pain perception and pain tolerance as a function of sex-role stereotypes.* Paper presented at the annual meeting of the Western Psychological Association.

Gaither, G. A., Rosenkranz, R. R., Amato-Henderson, S., Plaud, J. J., & Bigwood, S. (November, 1995). *Condom presence or absence in sexually explicit narratives: Effects on male sexual arousal.* Paper presented at the 29<sup>th</sup> Annual Convention of the Association for Advancement of Behavior Therapy, Washington, D.C.

Tye, M. J. C., Amato-Henderson, S., & Honts, C. R. (January, 1995). *Evaluating children's testimonies: CBCA and Lay Subjects.* Paper presented at CRIMECON: International Internet conference on Crime and Criminal Justice.

Amato, S. L., Honts, C. R., (October, 1994). *What do psychophysiologicalists think about polygraph tests? A survey of the membership of SPR.* Paper presented at the annual meeting of The Society for Psychophysiological Research, Atlanta, GA.

Amato, S. L., & Honts, C. R., (March, 1994). *A survey of the Society for Psychophysiological Research regarding the polygraph.* Paper presented at the Red River Valley Psychology Conference, Fargo, ND.

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**SCIENTIFIC PAPER PRESENTATIONS, CONT.**

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Devitt, M. K., Honts, C. R., Gillund, B. E., Amato, S. L., Peters, D. P., & Norton, M. (March 1994). *A study of the willingness of children to make false accusations about a serious matter in a realistic setting*. Paper presented at the biennial meeting of the American Psychology-Law Society/ Division 41 Mid-year Conference, Santa Fe, NM.

Tye, M. J. C., Amato, S. L., & Honts, C. R. (October, 1994). *Evaluating children's testimonies: Recent research*. Paper presented at the annual meeting of the North Dakota Psychological Associations, Grand Forks, ND.

Amato, S. L. & Honts, C. R., (October, 1993). *Scientific attitudes about the polygraph: Implications for admissibility following the death of Frye*. Paper presented at the annual meeting of the North Dakota Psychological Association, Fargo, ND.

Honts, C. R., Devitt, M. K., & Amato, S. (June, 1993). *Explanatory style predicts perceptions of expert witness believability*. Paper presented at the 1993 Convention of the American Association of Applied and Preventive Psychology, Chicago, IL.

Devitt, M. K., Honts, C. R., Peters, D. P., & Amato, S. L. (May, 1992). *A study of the willingness of children to make false allegations about a serious matter*. Paper presented at the NATO Advanced Studies Institute, The Child Witness in Context: Cognitive, Social, and Legal Perspectives. Tuscany, Italy.

Honts, C. R., Devitt, M. K., & Amato, S. L. (October, 1992). *Neural network classifiers and the detection of deception revisited: Depth of learning and overfitting*. Paper presented at the Annual Meeting of the Society for Psychophysiological Research, San Diego, CA.

Honts, C. R., Peters, D. P., Devitt, M. K., & Amato, S. L. (May, 1992). *Detecting children's lies with Statement Validity Assessment: A pilot study of a laboratory paradigm*. Paper presented at the NATO Advance Studies Institute, The Child Witness in Context: Cognitive, Social, and Legal Perspectives. Tuscany, Italy.

Amato, S. L., Kilpela, G., Burns, S., & Leith, C. (March, 1991). *Male and female judges of photographic stimuli: Two measures of sexual attitude attributions*. Paper presented at the Michigan Academy of Science, Arts, and Letters 95<sup>th</sup> Annual Meeting, Eastern Michigan University.

**GRADUATE STUDENT SUPERVISION**

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Darnisha Slade, Applied Cognitive Science and Human Factors Ph.D. Student, Advisor

Kari Jordan, formerly at MTU Mech Eng, currently at Ohio State University. Dissertation External Committee member, comprehensive exam contributor/evaluator.

Mary Raber, Mech Eng, Dissertation External Committee member, comprehensive exam contributor/evaluator, current

Joanna Schreiber, Humanities, Dissertation Committee External member, *Scientific Management Systems as Enframing or Empowering: How Lean and Six Sigma Define Technical Communication*, Ph.D. granted August 2013

Andrea Norkus, Humanities, Masters Committee external member, *Enhancing Communication through Successful Repair: Examining Fluency and Mechanisms for Syntactic Progress in Aphasic and Non-Aphasic Speech*, MS awarded May 2013.

**GRADUATE STUDENT SUPERVISION, CONT.**

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Raymond Molzon, Mathematics (Statistics), Dissertation External Committee member, Ph.D. awarded Dec. 2012

Paul Dube, Applied Science Education, Masters Committee member, *Attempting to Improve Standardized Test Results Using Study Islands' Web-Based Mastery Program*, MS awarded Dec 2011.

Jonathon Salzman, Mechanical Engineering, Masters Committee external member, MS Awarded August 2011.

Erron Peuse, Civil Engineering, Masters Committee external member, MS Awarded August 2008.

Annikka Chrestensen, Applied Science Education, Masters Committee member, MS Awarded Dec. 2007.

Christopher LaForte, Civil Engineering, Masters Committee external member, MS Awarded Dec. 2006.

Angela Teubert, Applied Science Education, Masters Committee member, *The Effect of an Inquiry-Based Curriculum and Experimental Education on Middle School Students' Attitudes in Science*, MS Awarded Dec. 2006.

Melissa Maxson, Applied Science Education, Masters Committee member, MS Awarded August 2005.

Naomi Tillison, Environmental Engineering, Masters Committee external member, MS Awarded August 2005.

Kris Kropp, Applied Science Education, Masters Committee member, MS Awarded Dec 2004.

Meghan Cameron, Applied Science Education, Masters Committee member, MS Awarded August 2004.

**PROFESSIONAL SERVICE**

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President, Psi Chi – The International Honor Society in Psychology, 2011-12, Past President 2012-13; President Elect 2010-11.

Rocky Mountain Regional Vice President, Psi Chi, National Honor Society in Psychology, 1999 – 2001, Elected Member of National Council.

Psi Chi Steering Committee Member, Rocky Mountain Division, 1997 – 1999

Consultant, Pro-Bono, Certified Polygraph Examiners from Canada, United States, Belgium, United Kingdom and other countries.

Pro-Bono Expert Witness for court cases -Eyewitness Memory and Field Sobriety Tests  
Ad Hoc Editorial Consultant

Department of Defense, Final Report Review, 2002, 2003

Journal of General Psychology, 1998 - 2001

The Journal of Credibility Assessment, 1998 - present

The Journal of Applied Cognitive Psychology, 2003

Text Book Reviewer

Introduction to Psychology, Santrock, 1998

Introduction to Psychology: The Adaptive Mind, Nairne, 1998

Psychology and Law, 1998

Grant Proposal Reviewer

Social Sciences and Humanities Research Council of Canada, Research Proposal Review, 2007  
 Department of Defense, Research Award Proposal Reviewer, 2003, 2004  
 Psi Chi/Thelma Hunt Research Award, 1997, 1998  
 Psi Chi/APA Edwin B. Newman Graduate Research Award, 1997  
 Psi Chi Chapter Advisor Research Grants, 1998  
 Psi Chi/ Allyn & Bacon Psychology Awards, 1997  
 Psi Chi Undergraduate Research Awards, 1999, 2000, 2013  
 Midwest Association of Graduate Schools Master's Thesis Competition, 2002  
 Program Review , Peer Review of Submissions  
     Western Psychological Association, 1998, 1999  
     Rocky Mountain Psychological Association, 1998 - 2001  
     American Psychology-Law Society, 1998, 2000, 2002, 2005  
 Paper Session Chair, Rocky Mountain Psychological Association Meeting, 1997 – 2000

### UNIVERSITY SERVICE

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Advising Council Faculty Representative, 2012 – present.  
 Strategic Faculty Hiring Initiative cognate reviewer, 2009 – 12.  
 MTU Institutional Review Board (IRB), chair, 2007 – 2010.  
 College of Sciences and Arts P&T committee member, 2007-2010.  
 Human Subjects IRB Member, 2006  
 Michigan YES EXPO MTU steering committee (2004, 2005, 2006), creating the MTU display designed to attract students, especially females and other under-represented groups into STEM careers.  
 Michigan YES EXPO, MTU exhibit site co-coordinator, Chrysler Arena (Ann Arbor, MI, 2004), and Ford Field (Detroit, MI, 2005).  
 Director of Admissions Hiring Committee, 2005  
 Crisis Committee, 2005 - 2009  
 Mont Ripley Hiring Committee, 2005  
 Dean of Arts and Sciences Review Committee, 2003-2004  
 University Senate, 2003-2006  
 University Senate Curriculum Committee, 2003-2006  
 University Conflict of Interest Committee, 2002-2005  
 Mont Ripley Ski Hill Advisory Committee, 2001 - 2004  
 Benefits Liaison Committee, 2001 – 2003  
 MTU Assessment Council, 2001- 2002  
 Interim Director, Service Learning Program, Boise State University, January 2000 - 2001  
 Advisory Task Force Committee, Boise State University, 1996-1997  
 Faculty Development Committee, Boise State University, 1996-1998

### DEPARTMENTAL SERVICE

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Psychology Major Assessment Coordinator, 2011 - 2013  
 Graduate Program Director, Applied Cognitive Science and Human Factors, May 2013 - present  
 Member, Hiring Committee 2013-14  
 Chair, Hiring Committee, 2010, 2011, 2012-13  
 Promotion and Tenure Committee, 2010-11 chair, 2011-12 member.  
 Undergraduate Advisor, New Student Recruiter, 2003 - present  
 Psychology Program Director, 2003 – present

I developed the proposal for our Psychology Bachelor's degree program, and served as the primary advocate for the proposal through all steps of approval (University Administration, senate, Board of Control, etc.) Once implemented, I developed all advising, marketing, and orientation materials. In support of the new major I have created many new courses and have worked closely with degree services, first year

programs, admissions, etc. I have also attended numerous MTU recruiting events representing the psychology program.

Advisor, Psychology Club

Advisor, Psi Chi

Department of Education Library Liaison, 2001 - 2006

Department of Education Charter Committee, 2003-2004

Chair, Dept of Education Faculty Hiring Committee, 2000-2001, 2004-2005

Department of Education Chair Search Committee, 2000-2001

Department of Education Curriculum Committee, 2000-present

Master of Science in Applied Science Education Program committee, 2002 – 2004

Faculty Advisor, Psi Chi National Honor Society, Boise State University Chapter, 1996 – 2001

### **COMMUNITY SERVICE**

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President (2005 – 2007), Hancock Public Schools Board of Education, 2001 – 2007

Hancock Public Schools Foundation Executive Board Member, 2004 – 2005

Service-Learning Advisory Board, Copper Country Intermediate School Dist., 2004 - 2008

Victim Services Unit Inaugural Member, a collaborative program through Dial Help and the Houghton County Sheriffs Department, 2004 - 2006

President, Copper Country Alpine Ski Club, 2001-2004

Member, Copper Country Soccer Association Advisory Board, 2000-2001

Participant, Career Day, Calumet High School

Advisory Board Member, SANE Solutions (abuse offender and victim treatment providers), Boise, ID, 1997 – 2001

Coach, Lego League (Elementary School Robotics Group made it to the State Competition!)

### **SELECT INVITED ADDRESSES AND COMMUNITY PRESENTATIONS**

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*Service Learning Across the Curriculum* (Feb., 2006). Lunch and Learn Series, Center for Teaching, Learning, and Faculty Development, Michigan Tech University.

*Psychology in Action* (July, 2005, 2006). 1-week residential Summer Youth Program, Michigan Tech University, Houghton, MI.

*Service Learning* (2004, 2005). All-day training for secondary teacher professional development in-service, Copper Country Intermediate School District.

*Careers in Psychology* (2004, 2005). Numerous presentations to High School Students in Adams Township, Houghton, Hancock, Lanse, Calumet, and select schools in Wisconsin and Illinois.

*Psychophysiological Detection of Deception* (2004, 2005). Presentations and demonstrations of polygraph testing to high school students at Lanse and Hancock High Schools.

*Stress and Victim Services Providers* (2005). Presentation during Dial Help staff training, Houghton, MI.

*Secondary Education Preparation for a Bachelors degree in Psychology* (2004). Presentation to the Western Upper Peninsula High School Counselors' Roundtable, Hancock, MI.

*Service Learning and the Proposed State of Michigan Volunteer Graduation Requirements* (2004). Faculty professional development in-service, Hancock High School.

*Psychopharmacology and the Polygraph* (October 2002). Invited Feature Address to the Northwestern Region Polygraph Association Annual Meeting, Portland, Maine.

### **SELECT INVITED ADDRESSES AND COMMUNITY PRESENTATIONS, CONT.**

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*Child Development* (September 2000 - 2003). Presentation given every semester to students enrolled in the Communicating Science course, Michigan Tech University, Houghton, MI.

*Thinking Like a Child: Looking a Life through Junior's Eyes* ( November, 2000; January, 2000; November, 2001). Presentations given to BHK Child Care/Head-start Parent Groups, Hancock/South Range, MI.

*Research On Polygraph Testing: Admissibility, Automation, And Contamination* (December 1, 2000). Psychology Colloquium, Northern Michigan University, Marquette, MI.

*WIC Client Satisfaction and Knowledge of the WIC Program.* (May, 1999). Women, Infants and Children (WIC) Program Administration and Staff workshop, Boise, ID.

*Defending Against the Horizontal Gaze Nystagmus Test* (March, 1999). Idaho Association of Criminal Defense Lawyers, 1999 Winter Seminar: World Class Defenders & World Class Skiing. Elkhorn Resort, Sun Valley, Idaho

*Public vs. Client Knowledge and Perceptions regarding the WIC Program.* (March, 1999). Brown Bag Colloquium Series, Department of Psychology, Boise State University.

*Whats happening... Fourth Credit Option at BSU* (Friday, September 11, 1998). Feature article in Idaho Statesman, page 2B, concerning Service-Learning implementation in Statistical Methods Course.

*Eyewitness Memory.* (May 21, 1998). Invited Address for the Third-Thursday Meeting of the Federal Defenders of Eastern Washington and Idaho.

*Abuse Locations and Methods for keeping the secret: Idaho's Treated Sex Offender Data,* (March 18, 1998). College of Social Sciences and Public Affairs, Brown Bag Colloquium, Boise State University.

*Service- Learning* (March & August, 1998). Faculty Workshop presentations, Co-presenter Rose Olson, Boise State University.

*Subtle Sexual Abuse: Definitions, Opinions and Juror Ethnocentrism when Allegations of Abuse Arise.* (March, 1998). Symposium organized and chaired by Susan Amato, presented during the biennial meeting of the American Psychology-Law Society (APA Division 41), Redondo Beach, CA.

*Understanding the Effects of Misinformation of Memory.* (March, 1996). Invited presentation at Northern Michigan University Colloquium, Department of Psychology, Marquette, MI.

*The Effects of Misinformation as revealed through the Concealed Knowledge Test.* (February 1996). Boise State University, Department of Psychology, Boise, ID.

*Understanding the Effects of Misinformation on Memory and the Concealed Knowledge Test.* (January, 1996). Invited presentation at the University of North Dakota Colloquium Series offered by the Department of Psychology, Grand Forks, ND.

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## SPECIALIZED TRAINING



*Statement Validity Assessment Workshop.* Drs. David Raskin and Philip Esplin, Instructors. Sponsored by the Office of Continuing Education, University of Utah. Salt Lake City, Utah (January, 1996)

*Child Witnesses, Children's Eyewitness Testimony, and Interview and Assessment Techniques in Child Sexual Abuse Cases Workshop.* Drs. Charles Honts and Douglas Peters, Instructors. Grand Forks, ND (July, 1991).

*CBA 103- School Finance and School Budget,* School Board Member Training provided by the Michigan Association of School Boards, Lansing, MI (October, 2005)

*IRB 101* – Pre-conference workshop at Annual Human Research Protection Programs (HRPP) Conference, Washington D.C., (November 14, 2006).