

MICHAEL K. PONTON
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EDUCATION: **Ed.D. in Higher Education Administration**, 1999, The George Washington University.
Dissertation: *The Measurement of an Adult's Intention to Exhibit Personal Initiative in Autonomous Learning* (defended with distinction).
Dissertation Research Advisor: Gary J. Confessore.

M.S. in Engineering (Aeroacoustics), 1991, The George Washington University.
Thesis: *An Acoustic Study of the Preferred Instability Modes for Supersonic Jets*.
Thesis Research Advisor: John M. Seiner.

B.S. in Physics, 1983, Old Dominion University.

EXPERIENCE: **Professor of Education** (2003-Present; Tenured Spring 2007); Regent University. Virginia Beach, VA.

Assistant to the Executive Vice President (2012); Regent University.

Assistant to the EVP for Curriculum and Instructional Review (2011); Regent University.

SACSCOC Accreditation Liaison (2012); Regent University.

Assistant to the Vice President for Academic Affairs (2011); Regent University.

Assistant to the VPAA for Curriculum and Instructional Review (2006-2011); Regent University.

Faculty Advisor for the Higher Education Cognate, Ed.D. and Ph.D. Programs (2009-Present); Regent University.

Program Chair for the M.Ed. in Student Affairs (2005-2009); Regent University.

Associate Professor of Higher Education and Senior Research & Development Engineer (2001-2003); The University of Mississippi, University, MS.

Senior Research & Development Engineer and Assistant Professor of Higher Education (1999-2001); The University of Mississippi.

Director of the Supersonic Jet Noise Laboratory (1998-1999); NASA Langley Research Center, Hampton, VA.

Aerospace Engineer (1987-1999); NASA Langley Research Center.

Adjunct Faculty (1998-1999); The George Washington University, Washington, DC.

Adjunct Faculty (1994-1995); Thomas Nelson Community College, Hampton, VA.

Acoustics Engineer/Senior Acoustics Engineer (1983-1987); PRC-Kentron, Inc., Hampton, VA.

Adjunct Faculty (1984-1985); Kee Business College, Newport News, VA.

Mechanical Engineer Trainee/Mechanical Engineer (1981-1982); Applied Technology Laboratory, Department of the Army, Ft. Eustis, VA.

COURSES CONDUCTED: *Advanced Research Design and Analysis*—graduate level (online)
Research Design and Analysis —graduate level (face-to-face and online)
Administration & Organization Theory in Higher Education—graduate level (online)
The Adult Learner—graduate level (face-to-face)
The Community College—graduate level (face-to-face and online)
Educational Statistics—graduate level (face-to-face and online)

College Teaching—graduate level (face-to-face and online)
Human Resource Development—graduate level (online)
History of Higher Education—graduate level (face-to-face)
Managing Computer Applications—graduate level (online)
History of American Higher Education—undergraduate level (face-to-face)
Educational Psychology—undergraduate level (face-to-face)
Special Projects in Engineering Science—undergraduate level (face-to-face)
Algebra—developmental level (face-to-face)
Systems Analysis and Design—nondegree (face-to-face)
Introduction to Computer Operating Systems—nondegree (face-to-face)
Introduction to Data Processing—nondegree (face-to-face)
Business Mathematics—nondegree (face-to-face)

DISSERTATIONS DIRECTED: John R. Kirk, Ed.D. (2012). *Gender-based Barriers Experienced by Male Students in an Online RN-to-BSN Nursing Program.*

Judith R. Coats, Ed.D. (2012). *The Reed & Kellogg System of Sentence Diagramming and its Implementation in Higher Education.*

Justin M. Oliver, Ed.D. (2012). *The Relationship Between Learning/Study Strategies and Gains in Algebra I Competency Among Developmental Mathematics Students.*

Adam Focht, Ed.D. (2011). *Identifying Primary Characteristics of Servant Leadership: A Delphi Study.*

John W. Washatka, Ed.D. (2010). *The Development of Cognitive Moral Reasoning in an Adult Degree Completion Program.*

Gregory L. Hartley, Ed.D. (2007). *A Study of Discipleship at Abundant Life Fellowship Church.*

Henry F. Kelly IV, Ed.D. (2006). *Comparison of Student Evaluations of Teaching Between Online and Face-to-Face Courses.*

Jonathan W. Kohns, Ed.D. (2006). *The Measurement of an Adult's Perceptions of Personal Responsibility in Self-Directed Learning.*

James D. Burnham, Ph.D. (2004). *An Exploration of the Deterrents to Demonstrate and Seek Proficiency in Adult Basic Education Among Blue Collar Workers.*

Jason S. Dean, Ph.D. (2003). *The Effects of Greek Membership on Student's Alcohol Consumption Rates, Social Norms Perceptions, and Negative Consequences at an Institution Utilizing Delayed Recruitment.*

Paula L. Stubbs, Ph.D. (2003). *Physical Therapy Clinicians' Perspectives of Important Cardiopulmonary Competencies for Clinical Practice.*

Ruth M. Burgess, Ph.D. (2003). *Student Recruitment Strategies in Entry Level Physical Therapist Educational Programs.*

James Michael Hall, Ph.D. (2002). *A Comparative Analysis of Mathematics Self-Efficacy of Developmental and Non-Developmental College Freshman Mathematics Students.*

Marion E. Dunn, Ph.D. (2001). *A Comparison Between Mississippi and the Nation With Regard to Public Postsecondary Enrollment for Nontraditional Students.*

MAJOR COMMITTEE SERVICE:

Regent University (RU) Curriculum and Instruction Review Committee (current chair)
 RU Institutional Effectiveness Committee (current chair, past member)
 RU Faculty Senate (past member)
 RU School of Education (SOE) Ed.D./Ph.D. Committee (current member)
 RU SOE Ed.D./Ph.D. Higher Education Cognate (current faculty advisor)
 RU SOE M.Ed. in Student Affairs Committee (past chair)

RU SOE Doctoral Fellowship Selection Committee (past chair and member)
RU SOE Doctoral Handbook Subcommittee (past member)
University of Mississippi (UM) Graduate Council (past member)
UM Faculty Senate (past member)
UM Faculty Senate General Academic Affairs (past chair)
UM Faculty Senate Executive Committee (past member)
UM Committee on Committees (past member)
UM Research Board (past member)
UM Committee on Student Organizations (past member)
UM Alcohol Task Force (past member)
UM Cultural Audit Committee (past member)
UM Graduate Council Subcommittee on Distance Education (past member)
UM Graduate Council Subcommittee on Graduate Certificate Programs (past member)
UM Dept. of Leadership and Counselor Education Research and Statistics Committee (past member)

HONORS:

International Society for Self-Directed Learning Exceptional Service Award, 2011.
For service on the editorial board of the International Journal of Self-Directed Learning.

Regent University Faculty Award for Excellence, Spring 2010.
For outstanding contributions to service at Regent University.

Autonomous Learning World Caucus Gary J. Confessore Award, 2010.
For significant contributions to the advancement of learner autonomy.

Association for Educational Communications and Technology Design and Development Outstanding Book Award, 2009.

Best in category for the 2008 book titled Distance Learning in Higher Education: A Programmatic Approach to Planning, Design, Instruction, Evaluation, and Accreditation by A. P. Rovai, M. K. Ponton, and J. D. Baker.

Beta Phi Scholar of the Year, 2007.

National University Telecommunications Network Best Research Paper Award, 2006.
Best research paper of the year based upon a national competition for the article titled "An Exploration of Attitudinal and Situational Factors Related to Intrinsic Motivation and Autonomy in Teacher Education Students" by A. P. Rovai, M. K. Ponton, M. G. Derrick, N. E. Rhea, and J. S. Flannagan.

University of Mississippi School of Education Outstanding Faculty Researcher, 2003.
For outstanding record of publication for the academic year 2002-2003.

NASA Langley Research Center Certificate of Appreciation, 2001.
For efforts leading to the successful demonstration of advanced noise reduction technologies for aircraft applications.

The George Washington University, 1999.
Doctoral dissertation defended with distinction.

NASA Langley Research Center Turning Goals Into Reality Award, 1999.
For performance as a member of the Advanced Subsonic Technology Engine Systems Noise Reduction Team.

NASA Administrator's Fellow, 1997.
Selected as a NASA Fellow to promote/develop educational programs at Hampton University, conduct institutional research for the Provost, and train faculty/staff in Internet technologies.

Langley Research Center Facility Safety Head of the Third Quarter, 1997.

For recognition of duties performed as the Facility Safety Head of the Langley Jet Noise Laboratory.

NASA Langley Research Center Superior Accomplishment Award, 1997.

For contributions resulting in the successful modification of the Low Speed Aeroacoustic Wind Tunnel.

NASA Langley Research Center Performance Award, 1996.

For contributions resulting in the enhancement of the research capability of the Jet Noise Laboratory.

NASA Agency Group Achievement Award, 1993.

For performance as a member of the Supersonic Jet Noise Reduction Team.

NASA Langley Research Center Superior Accomplishment Award, 1991.

For the identification of nonlinear interactions in supersonic free jet flows.

NASA Agency Group Achievement Award, 1989.

For performance as a member of the B-1B Engine Nozzle Sonic Fatigue Team.

NASA Langley Research Center Group Achievement Award, 1988.

For performance as a member of the Supersonic Twin-Jet Resonance Research Team.

Randolph-Macon College Award Scholarship, 1978.

**EDITORIAL
BOARDS:**

*New Horizons in Adult Education and Human Resource Development
International Journal of Self-Directed Learning*

**PUBLICATION
LIST :**

REFEREED JOURNAL ARTICLES

- Schuette, C. S., Sinno, S. M., Ponton, M. K., & Charlton, M. L. (2011). *Children's judgments about parental endorsement of gender role stereotypes*. Manuscript submitted for publication.
- Schuette, C. S., Ponton, M. K., & Charlton, M. L. (2012). Middle school children's career aspirations: Relationship to adult occupations and gender. *The Career Development Quarterly*, 60(1), 36-46.
- Ponton, M. K., Carr, P. B., Schuette, C. T., & Confessore, G. J. (2010*). Self-efficacy and the Learner Autonomy Profile. *International Journal of Self-Directed Learning*, 7(2), 54-63. Available: <http://www.oltraining.com/SDLwebsite/IJSDL/IJSDL7.2-2010.pdf>
*Published in Fall 2011.
- Schuette, C. T., Wighting, M. J., Spaulding, L. S., Ponton, M. K., & Betts, A. L. (2010). Factors that influence teachers' views on standardized tests. *Teacher Educators' Journal*, 17, 27-40.
- Ponton, M. K., Schuette, C. S., & Confessore, G. J. (2009). An agentic perspective of self-directed learning as applied to children. *International Journal of Self-Directed Learning*, 6(1), 46-58. Available: <http://www.oltraining.com/SDLwebsite/IJSDL/IJSDL6.1-2009.pdf>
- Ponton, M. K., & Schuette, C. T. (2008). The Learner Autonomy Profile: A discussion of scale combination to measure autonomous learning. *International Journal of Self-Directed Learning*, 5(1), 55-60. Available: <http://www.oltraining.com/SDLwebsite/IJSDL/IJSDL5.1-2008.pdf>
- Rhea, N. E., Rovai, A. P., Ponton, M. K., Derrick, M. G., & Davis, J. M. (2007). The effect of computer-mediated communication on anonymous end-of-course teaching evaluations. *International Journal on E-Learning*, 6(4), 581-592.
- Kelly, H. F., Ponton, M. K., & Rovai, A. P. (2007). A comparison of student evaluations of teaching between online and face-to-face courses. *Internet and Higher Education*, 10, 89-101.

- Rovai, A. P., Ponton, M. K., Wighting, M. J., & Baker, J. D. (2007). A comparative analysis of student motivation in traditional classroom and e-learning courses. *International Journal on E-Learning*, 6(3), 413-432.
- Derrick, M. G., Rovai, A. P., Ponton, M. K., Confessore, G. J., & Carr, P. B. (2007). An examination of the relationship of gender, marital status, and prior educational attainment and learner autonomy. *Educational Research and Review*, 2(1), 1-8.
- Ponton, M. K., & Rhea, N. E. (2006). Autonomous learning from a social cognitive perspective. *New Horizons in Adult Education and Human Resource Development*, 20(2), 38-49. Available: <http://education.fiu.edu/newhorizons/journals/volume20no2spring2006.pdf>
- Rovai, A. P., Ponton, M. K., Derrick, M. G., & Davis, J. M. (2006). Student evaluation of teaching in the virtual and traditional classrooms: A comparative analysis. *Internet and Higher Education*, 9(1), 23-35.
- Kohns, J. W., & Ponton, M. K. (2006). Understanding responsibility: A self-directed learning application of the Triangle Model of Responsibility. *New Horizons in Adult Education and Human Resource Development*, 20(4), 16-27. Available: [http://education.fiu.edu/newhorizons/journals/New%20Horizons%20in%20AE&HRD%20\(4\).pdf](http://education.fiu.edu/newhorizons/journals/New%20Horizons%20in%20AE&HRD%20(4).pdf)
- Ponton, M. K., Derrick, M. G., Hall, J. M., Rhea, N. E., & Carr, P. B. (2005). The relationship between self-efficacy and autonomous learning: The development of new instrumentation. *International Journal of Self-Directed Learning*, 2(1), 50-61. Available: <http://www.oltraining.com/SDLwebsite/IJSDL/IJSDL2.1-2005.pdf>
- Derrick, M. G., Ponton, M. K., & Carr, P. B. (2005). Enhancing and facilitating self-efficacious behaviors in distance learning environments. *New Horizons in Adult Education*, 19(3), 4-11. Available: <http://education.fiu.edu/newhorizons/journals/volume19no3summer2005.pdf>
- Derrick, M. G., Ponton, M. K., & Carr, P. B. (2005). A preliminary analysis of learner autonomy in online and face-to-face settings. *International Journal of Self-Directed Learning*, 2(1), 62-70. Available: <http://www.oltraining.com/SDLwebsite/IJSDL/IJSDL2.1-2005.pdf>
- Ponton, M. K., Derrick, M. G., & Carr, P. B. (2005). The relationship between resourcefulness and persistence in adult autonomous learning. *Adult Education Quarterly*, 55(2), 116-128.
- Hall, J. M., & Ponton, M. K. (2005). Mathematics self-efficacy of college freshmen. *Journal of Developmental Education*, 28(3), 26-33.
- Rovai, A. P., & Ponton, M. K. (2005). An examination of sense of classroom community and learning among African American and Caucasian graduate students. *Journal of Asynchronous Learning Networks*, 9(3), 77-92.
- Ponton, M. K., Derrick, M. G., Confessore, G. J., & Rhea, N. E. (2005). The role of self-efficacy in autonomous learning. *International Journal of Self-Directed Learning*, 2(2), 81-90. Available: <http://www.oltraining.com/SDLwebsite/IJSDL/IJSDL2.2-2005.pdf>
- Burgess, R. M., Ponton, M. K., & Weber, M. D. (2004). Student recruitment strategies in professional physical therapist education programs. *Journal of Physical Therapy Education*, 18(2), 22-30.
- Ponton, M. K., Carr, P. B., & Derrick, M. G. (2004). A path analysis of the conative factors associated with autonomous learning. *International Journal of Self-Directed Learning*, 1(1), 59-69. Available: <http://www.oltraining.com/SDLwebsite/IJSDL/IJSDL1.1-2004.pdf>
- Ukeiley, L. S., Ponton, M. K., Seiner, J. M., Jansen, B. J. (2004). Suppression of pressure loads in cavity flows. *AIAA Journal*, 42(1), 70-79.
- Ukeiley, L. S., & Ponton, M. K. (2004). On the near field pressure of a transonic axisymmetric jet. *International Journal of Aeroacoustics*, 3(1), 43-66.
- Derrick, M. G., Carr, P. B., & Ponton, M. K. (2003). Facilitating and understanding autonomy in adult learners. *New Horizons in Adult Education*, 17(2). Available: <http://education.fiu.edu/newhorizons/journals/volume17no2.pdf>

- Ponton, M. K., Sullivan, K., Kendricks, M. R., & Seiner, J. M. (2003). Introduction to engineering: An assessment of a high school course. *Journal of Science Education*, 4(2), 57-61.
- Ponton, M. K., & Hall, J. M. (2003). A proposed relationship between postsecondary education and personal initiative for adult learners. *Current Issues in Education*, 6(17). Available: <http://cie.asu.edu/volume6/number17/index.html>
- Ponton, M. K. (2002). Motivating students by building self-efficacy. *Journal of Professional Issues in Engineering Education and Practice*, 128(2), 54-57.
- Ponton, M. K., Edmister, J. H., Ukeiley, L. S., & Seiner, J. M. (2001). Understanding the role of self-efficacy in engineering education. *Journal of Engineering Education*, 90(2), 247-251.
- Ponton, M. K., & Carr, P. B. (2000). Understanding and promoting autonomy in self-directed learning. *Current Research in Social Psychology*, 5(19). Available: <http://www.uiowa.edu/~grpproc/crisp/crisp.5.19.htm>
- Ponton, M. K. (1998). A simple approximation for the calculation of probabilities in normal distributions. *Current Research in Social Psychology*, 3(6). Available: <http://www.uiowa.edu/~grpproc/crisp/crisp.3.6.htm>
- Ponton, M. K., & Seiner, J. M. (1995). An acoustic study of the B helical mode for a choked axisymmetric nozzle. *AIAA Journal*, 33(3), 413-420.
- Seiner, J. M., Bhat, T. R. S., & Ponton, M. K. (1994). Mach wave emission from a high-temperature supersonic jet. *AIAA Journal*, 32(12), 2345-2350.
- Ponton, M. K., & Seiner, J. M. (1992). The effects of nozzle exit lip thickness on plume resonance. *Journal of Sound and Vibration*, 154(3), 531-549.
- Seiner, J. M., Manning, J. C., & Ponton, M. K. (1988). Dynamic pressure loads associated with twin supersonic plume resonance. *AIAA Journal*, 26(8), 954-960.

REFEREED PUBLICATIONS (NONJOURNAL)

- Derrick, M. G., Ponton, M. K., Rhea, N. E., & Kohns, J. W. (2005). Differences in learner autonomy in online and face-to-face environments. *World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education, 2005*, 1992-1997.
- Rhea, N. E., Rovai, A. P., Ponton, M. K., Derrick, M. G., & Davis, J. M. (2005). Student comments on anonymous course evaluations: Online vs. F2F. *World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education, 2005*, 2362-2368.
- Ponton, M. K., Derrick, M. G., & Wiggers, N. R. (2004). Using asynchronous e-learning to develop autonomous learners. *World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education, 2004*, 1437-1441.
- Carr, P. B., Ponton, M. K., & Ingram, C. (2003). Creating collegial environments: Enhancing learner autonomy in the e-learning environment. In H. B. Long & Associates (Eds.), *Current developments in e-learning & self-directed learning* (pp. 44-50). Melrose, FL: International Self-Directed Learning Symposium.
- Ponton, M. K., & Carr, P. B. (2002). The development of instrumentation that measures an adult's intention to exhibit initiative and resourcefulness in autonomous learning. In H. B. Long & Associates (Eds.), *Twenty-first century advances in self-directed learning* (pp. 223-241). Schaumburg, IL: Motorola University Press.
- Ponton, M. K., Carr, P. B., & Confessore, G. J. (2000). Learning conation: A psychological perspective of personal initiative and resourcefulness. In H. B. Long & Associates (Eds.), *Practice & theory in self-directed learning* (pp. 65-82). Schaumburg, IL: Motorola University Press.
- Ponton, M. K. (1999). *The measurement of an adult's intention to exhibit personal initiative in autonomous learning* (Doctoral dissertation). Available from ProQuest Dissertations and Theses database. (UMI No. 9949350)

- Ponton, M. K., & Carr, P. B. (1999). *A quasi-linear behavioral model and an application to self-directed learning* (NASA Technical Memorandum 209094). Hampton, VA: NASA Langley Research Center.
- Ponton, M. K., Ukeiley, L. S., & Lee, S. W. (1999). *Aeroacoustic data for a high Reynolds number subsonic axisymmetric jet* (NASA Technical Memorandum 209336). Hampton, VA: NASA Langley Research Center.
- Ponton, M. K., Seiner, J. M., & Brown, M. C. (1997). *Near field pressure fluctuations in the exit plane of a choked axisymmetric nozzle* (NASA Technical Memorandum 113137). Hampton, VA: NASA Langley Research Center.
- Ponton, M. K., Williford, C. B., & Lagen, N. T. (1995, July). Shield for flexible pipe. *NASA Tech Brief*, 19(7), 66.
- Ponton, M. K. (1990). *An acoustic study of the preferred instability modes for supersonic jets* (Master's thesis). The George Washington University, Washington, DC.
- Ponton, M. K., Seiner, J. M., & Manning, J. C. (1988). *Far-field acoustic effects of inserting an infrared-signature suppression device into a supersonic rectangular nozzle* (NASA Limited Distribution Technical Memorandum; Title Unclassified). Hampton, VA: NASA Langley Research Center.
- Ponton, M. K., Manning, J. C., & Seiner, J. M. (1986). *Far-field acoustics of supersonic rectangular nozzles with various throat aspect ratios* (NASA Technical Memorandum 89002). Hampton, VA: NASA Langley Research Center.
- Seiner, J. M., & Ponton, M. K. (1985). *Aeroacoustic data for high Reynolds number supersonic axisymmetric jets* (NASA Technical Memorandum 86296). Hampton, VA: NASA Langley Research Center.

BOOKS

- Derrick, M. G., & Ponton, M. K. (Eds.). (2009). *Emerging directions in self-directed learning*. Chicago: Discovery Association Publishing House.
- Rovai, A. P., Ponton, M. K., & Baker, J. D. (2008). *Distance learning in higher education: A programmatic approach to planning, design, instruction, evaluation, and accreditation*. New York: Teachers College Press.
- Kendricks, M. R., & Ponton, M. K. (Eds.). (2001/2002). *Introduction to engineering: A high school workbook* (1st and 2nd eds.). North Chelmsford, MA: Erudition Books.

CHAPTERS AND PROCEEDINGS ENTRIES

- Ponton, M. K. (2009). An agentic perspective contrasting autonomous learning with self-directed learning. In M. G. Derrick & M. K. Ponton (Eds.), *Emerging directions in self-directed learning* (pp. 65-76). Chicago: Discovery Association Publishing House.
- Ukeiley, L. S., & Ponton, M. K. (2008). On the near field pressure of a transonic axisymmetric jet. In G. Raman (Ed.), *Jet aeroacoustics* (pp. 439-461). Essex, United Kingdom: Multi-Science.
- Rhea, N. E., & Ponton, M. K. (2007). Traditional course design and instructional delivery. In A. P. Rovai, L. B. Gallien, Jr., & H. R. Stiff-Williams (Eds.), *Closing the African American achievement gap in higher education* (pp. 85-103). New York: Teachers College Press.
- Ponton, M. K. (2007). Michael K. Ponton. In K. B. Armstrong, L. W. Nabb, & A. P. Czech (Eds.), *North American adult educators: Phyllis M. Cunningham archive of quintessential autobiographies for the twenty-first century* (pp. 207-210). Chicago: Discovery Association Publishing House.
- Carr, P. B., & Ponton, M. K. (2003). The e-learning instructor: Creator of collegial environments and facilitator of autonomous learning. In G. M. Piskurich (Ed.), *Preparing learners for e-learning* (pp. 139-153). San Francisco: Jossey-Bass.

- Price, R. M., Tew, M. D., Ponton, M. K., & Kendricks, M. R. (2002). General engineering problem solving. In M. R. Kendricks & M. K. Ponton (Eds.), *Introduction to engineering: A high school workbook* (2nd ed., pp. 1-36). North Chelmsford, MA: Erudition Books.
- Price, R. M., Tew, M. D., Ponton, M. K., & Kendricks, M. R. (2001). General engineering problem solving. In M. R. Kendricks & M. K. Ponton (Eds.), *Introduction to engineering: A high school workbook* (pp. 1-35). North Chelmsford, MA: Erudition Books.
- Seiner, J. M., Ponton, M. K., & Nihart, G. (1999). Supersonic jet noise suppression—The NACA nozzle. *Proceedings of the 3rd ASME/JSME Joint Fluids Engineering Conference*, San Francisco, CA.
- Ukeiley, L. S., Seiner, J. M., & Ponton, M. K. (1999). Azimuthal structure of an axisymmetric jet mixing layer. *Proceedings of the 3rd ASME/JSME Joint Fluids Engineering Conference*, San Francisco, CA.
- Ponton, M. K., & Seiner, J. M. (1992). Large scale structure of axisymmetric supersonic flow. In A. Miamee (Ed.), *Proceedings on nonstationary stochastic processes and their application* (pp. 38-47). River Edge, NJ: World Scientific.
- Seiner, J. M., Ponton, M. K., & Manning, J. C. (1991). NASA/LaRC jet plume research. *Proceedings of the First Annual High-Speed Research Workshop*. Williamsburg, VA.

PAPERS/ABSTRACTS/REPORTS/AUDIOVISUAL MEDIA/POSTERS

- Schuette, C. T., & Ponton, M. K. (2012, April). *Money matters: How breadwinner status influences children's judgments of working and stay-at-home parents*. Poster presented at the 5th Gender Development Research Conference, San Francisco, CA.
- Ponton, M. K., & Carr, P. B. (2012, February). *Autonomous learning and triadic reciprocal causation*. Paper presented at the 26th International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Ponton, M. K., Carr, P. B., Schuette, C. S., & Confessore, G. J. (2011, February). *Self-efficacy and the Learner Autonomy Profile*. Paper presented at the 25th International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Ponton, M. K. (2010, March). *Autonomous vis-à-vis self-directed learning*. Invited paper presented at the Autonomous Learning World Caucus, Oxford, England.
- Ponton, M. K., Schuette, C. S., & Confessore, G. J. (2009, February). *An agentic perspective of self-directed learning as applied to children*. Paper presented at the 23rd International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Schuette, C. T., & Ponton, M. K. (2008, June). *Middle school children's career self-efficacy*. Paper presented at the 38th Annual Meeting of the Jean Piaget Society, Québec City, Canada.
- Schuette, C. T., & Ponton, M. K. (2008, April). *The influence of stereotypes and role models on middle school children's career aspirations*. Poster presented at the 3rd Gender Development Research Conference, San Francisco, CA.
- Ponton, M. K., Derrick, M. G., & Carr, P. B. (2008, January). *An agentic perspective contrasting autonomous learning with self-directed learning*. Paper presented at the 22nd International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Derrick, M. G., Ponton, M. K., Carr, P. B., & Slater, C. W. (2008, January). *Curiosity and the adult learner*. Paper presented at the 22nd International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Powell, B., Ponton, M. K., & Derrick, M. G. (2008, January). *A mixed method study of autonomous learning among successful doctoral students*. Paper presented at the 22nd International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Derrick, M. G., Ponton, M. K., Carr, P. B., Rovai, A. P., & Coe, J. G. (2007, January). *Review of the finding on the relationship of curiosity and autonomous learning*. Paper presented at the 21st International Self-Directed Learning Symposium, Cocoa Beach, FL.

- Rovai, A. P., Ponton, M. K., Derrick, M. G., Rhea, N. E., & Flannagan, J. S. (2006). *An exploration of attitudinal and situational factors related to intrinsic motivation and autonomy in teacher education students*. Unpublished manuscript, Regent University, Virginia Beach, VA.
- Ponton, M. K., & Rovai, A. P. (2006). *Exact solution for pooled standard deviation*. Unpublished manuscript, Regent University, Virginia Beach, VA.
- Ponton, M. K., Rhea, N. E., Rovai, A. P., & Gallien, L. B., Jr. (2006, April). *The effects of course design and pedagogy on the educational outcomes of African American and Caucasian online graduate students*. Paper presented at the American Educational Research Association Annual Meeting Interactive Symposium: Closing the African American Achievement Gap in Higher Education, San Francisco, CA.
- Derrick, M. G., Ponton, M. K., Rhea, N. E., & Kohns, J. W. (2005, October). *Differences in learner autonomy in online and face-to-face environments*. Paper presented at the Association for the Advancement of Computing in Education World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education, Vancouver, BC Canada.
- Rhea, N. E., Rovai, A. P., Ponton, M. K., Derrick, M. G., & Davis, J. M. (2005, October). *Student comments on anonymous course evaluations: Online vs. F2F*. Paper presented at the Association for the Advancement of Computing in Education World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education, Vancouver, BC Canada.
- Stubbs, P. L., Ponton, M. K., & Weber, M. D. (2005). *Physical therapy clinicians' perspectives of important cardiopulmonary competencies for clinical practice*. Poster presented at the Annual Meeting of the American Association of Cardiovascular and Pulmonary Rehabilitation, Milwaukee, WI.
- Ponton, M. K., Derrick, M. G., Confessore, G. J., & Rhea, N. E. (2005, February). *The role of self-efficacy in autonomous learning*. Paper presented at the 19th International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Derrick, M. G., Ponton, M. K., Rovai, A. P., Carr, P. B., & Confessore, G. J. (2005, February). *An examination of the relationship of specific demographic variables and learner autonomy*. Paper presented at the 19th International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Stubbs, P. L., Weber, M. D., & Ponton, M. K. (2004). Comparison of physical therapy clinicians' perspectives of important cardiopulmonary competencies based on primary practice pattern [Abstract]. *Cardiopulmonary Physical Therapy, 15*(4), 40-41.
- Ponton, M. K., Derrick, M. G., & Wiggers, N. R. (2004, November). *Using asynchronous e-learning to develop autonomous learners*. Paper presented at the Association for the Advancement of Computing in Education World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education, Washington, DC.
- Ponton, M. K. (Speaker). (2004). *The mediating role of self-efficacy in cognitive motivation*. (Cassette Recording; VHS Videotape). Virginia Beach, VA: Regent University School of Leadership Studies.
- Stubbs, P. L., Weber, M. D., & Ponton, M. K. (2004). Physical therapy clinicians' perspectives of important cardiopulmonary competencies for clinical practice [Abstract]. *Ninth Annual SHRP Research Day, 7*, 39.
- Stubbs, P. L., Weber, M. D., & Ponton, M. K. (2004, April). *Physical therapy clinicians' perspectives of important cardiopulmonary competencies for clinical practice*. Poster presented at the Ninth Annual SHRP Research Day, Jackson, MS.
- Ponton, M. K., Derrick, M. G., Carr, P. B., & Hall, J. M. (2004, February). *The relationship between self-efficacy and autonomous learning*. Paper presented at the 18th International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Derrick, M. G., Ponton, M. K., & Carr, P. B. (2004, February). *A comparative analysis of learner autonomy in online and face-to-face settings*. Paper presented at the 18th International Self-Directed Learning Symposium, Cocoa Beach, FL.

- Stubbs, P. L., Weber, M. D., & Ponton, M. K. (2004). Physical therapy clinicians' perspectives of important cardiopulmonary competencies for clinical practice [Abstract]. *Cardiopulmonary Physical Therapy*, 14(4), 19.
- Stubbs, P. L., Weber, M. D., & Ponton, M. K. (2004, February). *Physical therapy clinicians' perspectives of important cardiopulmonary competencies for clinical practice*. Poster presented at the Combined Sections Meeting, American Physical Therapy Association, Nashville, TN.
- Ponton, M. K., Carr, P. B., & Derrick, M. G. (2003, February). *A path analysis of the conative factors associated with autonomous learning*. Paper presented at the 17th International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Derrick, M. G., Carr, P. B., & Ponton, M. K. (2003, February). *Enhancing and facilitating self-efficacious behaviors in distance learning environments*. Paper presented at the 17th International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Ukeiley, L. S., Seiner, J. M., Ponton, M. K., & Jansen, B. J. (2003, January). *Suppression of pressure loads in resonating cavities through blowing*. Paper presented at the 41st AIAA Aerospace Sciences Meeting and Exhibit, Reno, NV.
- Seiner, J. M., Jansen, B. J., Ukeiley, L. S., & Ponton, M. K. (2002, December). *Acoustic fly-over studies of F/A-18 aircraft during FCLP mission*. University, MS: The University of Mississippi, National Center for Physical Acoustics.
- Ukeiley, L. S., Ponton, M. K., & Seiner, J. M. (2002). Space-time correlations in an axisymmetric jet [Abstract]. *Bulletin of the American Physical Society*, 47.
- Seiner, J. M., Ukeiley, L. S., Ponton, M. K., & Jansen, B. J. (2002, June). *Progress in experimental measure of turbulent flow for aeroacoustics*. Paper presented at the 8th AIAA/CEAS Aeroacoustics Conference, Breckenridge, CO.
- Hall, J. M., & Ponton, M. K. (2002, March). *A comparative analysis of mathematics self-efficacy of developmental and non-developmental freshman mathematics students*. Paper presented at the 2002 Louisiana/Mississippi section meeting of the Mathematical Association of America. Available: <http://www.mc.edu/campus/users/travis/maa/proceedings/>
- Ukeiley, L. S., Ponton, M. K., Seiner, J. M., & Jansen, B. J. (2002, January). *Suppression of pressure loads in cavity flows*. Paper presented at the 40th AIAA Aerospace Sciences Meeting and Exhibit, Reno, NV.
- Ponton, M. K., & Dean, J. S. (2001). *The survey of alcohol usage and perceptions*. Washington, DC: The George Washington University ERIC Clearinghouse on Higher Education. (ERIC Document Reproduction Service No. ED 454 786)
- Ukeiley, L. S., Ponton, M. K., & Seiner, J. M. (2001). Analysis of PIV data for an axisymmetric jet [Abstract]. *Bulletin of the American Physical Society*, 46.
- Ponton, M. K., Seiner, J. M., Ukeiley, L. S., & Jansen, B. J. (2001, May). *A new anechoic chamber design for testing high-temperature jet flows*. Paper presented at the 7th AIAA/CEAS Aeroacoustics Conference, Maastricht, The Netherlands.
- Seiner, J. M., Ukeiley, L. S., Ponton, M. K., & Papp, J. L. (2001, May). *Jet turbulence measurements of aeroacoustic source using stereo PIV*. Paper presented at the 7th AIAA/CEAS Aeroacoustics Conference, Maastricht, The Netherlands.
- Ponton, M. K., & Carr, P. B. (2001, February). *The development of instrumentation that measures an adult's intention to exhibit initiative and resourcefulness in autonomous learning*. Paper presented at the 15th International Symposium on Self-Directed Learning, Boynton Beach, FL.
- Seiner, J. M., Jansen, B. J., Ponton, M. K., Bruner, C. W. S., & Singleton, J. (2000). *Acoustics associated with fluid/structure coupling for interceptor missile flow fields*. Paper presented at the 6th AIAA/CEAS Aeroacoustics Conference, Lahaina, Hawaii.

- Confessore, G. J., Confessore, S. J., Freitag, P. K., Carr, P. B., & Ponton, M. K. (2000, February). *New insights into adult autonomous learning: A progress report on the development of instrumentation* [Abstract]. Presentation presented at the VII Seminario Científico Sobre la Calidad de la Educación, Havana and Isla de la Juventud, Cuba.
- Seiner, J. M., Ukeiley, L. S., & Ponton, M. K. (1999). *Jet noise source measurements using PIV*. Paper presented at the 5th AIAA/CEAS Aeroacoustics Conference, Bellevue, WA.
- Ukeiley, L. S., Ponton, M. K., & Rich, M. (1999). Examination of near-field pressures around an axisymmetric jet [Abstract]. *Bulletin of the American Physical Society*, 44.
- Ponton, M. K., Carr, P. B., & Confessore, G. J. (1999, February). *Learning conation: A psychological perspective of personal initiative and resourcefulness*. Paper presented at the 13th International Symposium on Self-Directed Learning, Scottsdale, AZ.
- Ponton, M. K. (1999). *The reduced emphasis of teaching undergraduates: A historical perspective*. Washington, DC: The George Washington University ERIC Clearinghouse on Higher Education. (ERIC Document Reproduction Service No. ED 422 787)
- Ponton, M. K. (1999). *Birnbaum's model of the collegial institution*. Washington, DC: The George Washington University ERIC Clearinghouse on Higher Education. (ERIC Document Reproduction Service No. ED 422 786)
- Ponton, M. K., & Confessore, G. J. (1998, February). *Characteristic behaviors of personal initiative: A conate associated with self-directed learning*. Paper presented at the 12th International Symposium on Self-Directed Learning, Kissimmee, FL.
- Seiner, J. M., Ponton, M. K., Jansen, B. J., Dash, S. M., & Kenakowski, D. C. (1997, June). *Installation effects on high speed plume evolution*. Paper presented at the ASME Fluids Engineering Division Summer Meeting.
- Seiner, J. M., Ponton, M. K., Re, R., Ingraldi, A. M., & Guthrie, A. (1993, October). *Aeroacoustic and static aeropropulsion performance of a Pratt and Whitney mixer/ejector nozzle*. Paper presented at the First NASA/Industry High Speed Research Propulsion/Airframe Integration Workshop, Cleveland, OH.
- Seiner, J. M., Bhat, T. R. S., & Ponton, M. K. (1993, January). *Mach wave emission from a high temperature supersonic jet*. Paper presented at the AIAA 31st Aerospace Sciences Meeting and Exhibit, Reno, NV.
- Mitchell, L. K., Ponton, M. K., Seiner, J. M., Manning, J. C., Jansen, B. J., & Lagen, N. T. (1992, November). *Application of focused schlieren to nozzle ejector flowfields*. Paper presented at the NASA/Industry HSR Nozzle Symposium, Cleveland, OH.
- Ponton, M. K., Seiner, J. M., & Mitchell, L. K. (1992, November). *Effect of swirl on noise from a high aspect ratio rectangular nozzle*. Paper presented at the NASA/Industry HSR Nozzle Symposium, Cleveland, OH.
- Ponton, M. K., Seiner, J. M., Mitchell, L. K., Manning, J. C., Jansen, B. J., & Lagen, N. T. (1992, May). *A wind tunnel application of large-field focusing schlieren*. Paper presented at the DGLR/AIAA 14th Aeroacoustics Conference, Aachen, Germany.
- Seiner, J. M., Ponton, M. K., Jansen, B. J., & Lagen, N. T. (1992, May). *The effects of temperature on supersonic jet noise emission*. Paper presented at the DGLR/AIAA 14th Aeroacoustics Conference, Aachen, Germany.
- Seiner, J. M., & Ponton, M. K. (1991, October). *Supersonic acoustic source mechanisms for free jets of various geometries*. Paper presented at the AGARD-PEP 78th Meeting, Bonn, Germany.
- Ponton, M. K., & Seiner, J. M. (1991, September). *The spatial characteristics of the B helical mode for a choked axisymmetric nozzle*. Paper presented at the 9th AIAA Applied Aerodynamics Conference, Baltimore, MD.
- Ponton, M. K., & Seiner, J. M. (1991). *Large scale structure of axisymmetric supersonic flows*. Paper presented at the First Annual Hampton University/NASA Langley Workshop on Nonstationary Random Processes and their Applications, Hampton, VA.

- Baty, R. S., Seiner, J. M., & Ponton, M. K. (1990, October). *Instability of a supersonic shock-free elliptic jet*. Paper presented at the AIAA 13th Aeroacoustics Conference, Tallahassee, FL.
- Seiner, J. M., Ponton, M. K., Pendergraft, O. C., Manning, J. C., & Mason, M. L. (1990, July). *External nozzle flap dynamic load measurements on F-15 S/MTD model*. Paper presented at the AIAA/SAE/ASME/ASEE 26th Joint Propulsion Conference, Orlando, FL.
- Ponton, M. K., & Seiner, J. M. (1989, April). *The effects of initial jet exit conditions on plume resonance*. Paper presented at the AIAA 12th Aeroacoustics Conference, San Antonio, TX.
- Seiner, J. M., Manning, J. C., & Ponton, M. K. (1987, January). *Model and full scale study of twin supersonic plume resonance*. Paper presented at the AIAA 25th Aerospace Sciences Meeting, Reno, NV.
- Seiner, J. M., Manning, J. C., & Ponton, M. K. (1986, July). *The preferred spatial mode of instability for a Mach 2 jet*. Paper presented at the AIAA 10th Aeroacoustics Conference, Seattle, WA.
- Seiner, J. M., Ponton, M. K., & Manning, J. C. (1986, July). *Acoustic properties associated with rectangular geometry supersonic nozzles*. Paper presented at the AIAA 10th Aeroacoustics Conference, Seattle, WA.
- Seiner, J. M., Manning, J. C., & Ponton, M. K. (1986, June). *Dynamic pressure loads associated with twin supersonic plume resonance*. Paper presented at the AIAA/ASME/SAE/ASEE 22nd Joint Propulsion Conference, Huntsville, AL.
- Seiner, J. M., Patterson, J. L., Hardin, J. C., Manning, J. C., Levasseur, J. E., Ponton, M. K., Kudirka, P. V., York, J. A., Berstein, W. J., & Bernstein A. K. (1985, September). *Vortex-generated breath sounds in a multi-order airway model*. Paper presented at the 38th meeting of the ACEMB, Chicago, IL.

PRESENTATIONS

- Ponton, M. K. (2012, March). *Autonomous learning: An interpretive framework using reciprocal determinism*. Presentation at the Autonomous Learning World Caucus, Oxford, England.
- Ponton, M. K. (2012, March). *The history of Exeter College*. Presentation at the Autonomous Learning World Caucus, Oxford, England.
- Schuette, C. T., Flannagan, J. S., Ponton, M. K., & Newton, H. (2011, June). *Promoting self-esteem and perceived competence in science in girls*. Presentation at the 41st Annual Meeting of the Jean Piaget Society, Berkeley, CA.
- Schuette, C. T., Ponton, M. K., & Charlton, M. L. (2011, April). *The impact of stereotype flexibility and tolerance on children's judgments about parental roles*. Presentation at the Biennial Meeting of the Society for Research in Child Development Conference, Montreal, Canada.
- Ponton, M. K. (2011, March). *Sociocognitive perspectives on leadership*. Presentation at the Autonomous Learning World Caucus, Oxford, England.
- Ponton, M. K. (2011, March). *Exeter College and the charter of Harvard College in the colonies*. Presentation at the Autonomous Learning World Caucus, Oxford, England.
- Ponton, M. K. (2010, October). *College teaching*. Presentation for the Regent University School of Communication and the Arts faculty, Virginia Beach, VA.
- Schuette, C. T., Ponton, M. K., & Charlton, M. L. (2010, March). *Use of children's literature to foster career self-efficacy in preschool children*. Presentation at the Virginia Association for Early Childhood Education Annual Conference, Richmond, VA.
- Schuette, C. T., Wighting, M. J., Spaulding, L. S., Ponton, M. K., & Betts, A. L. (2009, February). *Factors which contribute to positive teacher views of standardized tests*. Presentation at the New Mexico Higher Education Assessment and Retention Conference, Albuquerque, NM.
- Confessore, G. J., Carr, P. B., Derrick, M. G., Meyer, D., Park, E., & Ponton, M. K. (2008, January). *Research using the Learner Autonomy Profile*. Panel discussion at the 22nd International Self-Directed Learning Symposium, Cocoa Beach, FL.

- Carr, P. B., Derrick, M. G., & Ponton, M. K. (2006, February). *The triumvirate of experience research method: Enhancing autonomous learning environments through pragmatic inquiry*. Presentation at the 20th International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Carr, P. B., Derrick, M. G., & Ponton, M. K. (2005, February). *An inquiry of avenues for facilitating learner autonomy in asynchronous learning networks: An investigation of dialogue methods*. Presentation at the 19th International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Ponton, M. K. (2004, April). *The mediating role of self-efficacy in cognitive motivation*. Invited presentation for the Regent University School of Leadership Studies Leadership Focus, Virginia Beach, VA.
- Carr, P. B., Derrick, M. G., & Ponton, M. K. (2004, February). *The little engine that could: Lessons in the exercise of control*. Presentation at the 18th International Self-Directed Learning Symposium, Cocoa Beach, FL.
- Carr, P. B., Ponton, M. K., & Ingram, C. (2002, February). *Creating collegial environments: Enhancing learner autonomy in the e-learning environment*. Presentation at the 16th International Symposium on Self-Directed Learning, Boynton Beach, FL.