

Curriculum Vitae

Ahmed Ibrahim

PhD candidate in Educational Psychology, Learning Sciences concentration
Department of Educational and Counselling Psychology
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EDUCATION

- 2008 - present **PhD in Educational Psychology (Learning Sciences)**
Department of Educational and Counseling Psychology, McGill University, Canada
- 2001 - 2003 **MSc in Computer Engineering (Telecommunication Networks)**
Department of Electrical and Computer Engineering, Polytechnic Institute of New York University, New York, USA
- 1993 - 1998 **BSc in Electronics and Electrical Communication Engineering**
Department of Electronics and Electrical Engineering, Cairo University, Egypt

JOURNAL PAPERS (PEER REVIEWED)

Aulls, M. W., & Ibrahim, A. (2012). Pre-service teachers' perceptions of effective inquiry instruction: are effective instruction and effective inquiry instruction essentially the same? *Instructional Science*, 40(1), 119-139. doi: 10.1007/s11251-010-9164-z.

CONFERENCE PROCEEDINGS (PEER REVIEWED)

Aulls, M. W., Ibrahim, A., Pelaez, S., Wang, X., & Orjuela-Laverde, M. (2010). *What happens as learning during asynchronous text-based discussions in an online learning system?* Paper presented at the Fifth International Conference of Learning International Networks Consortium (LINC), Cambridge, MA: Massachusetts Institute of Technology (MIT).
<http://linc.mit.edu/linc2010/parallel-sessions/session11-aulls.pdf>

CONFERENCE PRESENTATIONS (TALKS) (PEER REVIEWED ABSTRACTS)

- Wang, X., Ibrahim, A., Kalman, C. S., & Aulls, M. W. (2013, April 5). *Promoting epistemic change in students through a physics gateway course: An intervention study*. Paper to be presented at the 2013 National Association for Research in Science Teaching (NARST), Rio Grande, Puerto Rico.
- Kalman, C. S., Milner-Bolotin, M., Antimirova, T., Aulls, M. W., Charles, E., Huang, X., Ibrahim, A., Kaur, J., Gyounggho, L., Wang, X. (2012, March 25). *Understanding the Nature of Science and Nonscientific Modes of Thinking in Gateway Science Courses*. Paper presented at the 2012 National Association for Research in Science Teaching (NARST) conference, Indianapolis, IN.

- Kalman, C. S., Milner-Bolotin, M., Shore, B. M., Aulls, M. W., Charles, E., Lee, G., Antimirova, T., Coban, G. U., Coehlo, R. L, Magon, J. K., Huang, X., **Ibrahim, A.**, Wang, X. (2013, April 5). Changing Students' Approach to Learning Physics in Postsecondary Gateway Courses. Paper submitted to the 2013 National Association for Research in Science Teaching (NARST), Rio Grande, Puerto Rico.
- Ibrahim, A.** (2010, May 30). *The Relevance and Comprehensiveness dimensions of the Literature Review*. Roundtable presented at the 38th Annual Conference of the Canadian Society for the Study of Education (CSSE), Concordia University, Montreal, Quebec, Canada.
- Ibrahim, A.** (2010, March 13). *Educational Neuroscience: the essence of a burgeoning discipline*. Talk presented at the 2010 McGill Education Graduate Students Society (EGSS) conference, McGill University, Montreal, QC.
- Walker, C., Leung, O., Gyles, P., Tabatabai, D., **Ibrahim, A.**, & Chichekian, T. (2010, March 12). *The Teacher's Voice: Barriers to Implementing Inquiry in the Classroom*. Workshop presented at the 2010 McGill Education Graduate Students Society (EGSS) conference, Montreal, Canada.
- Tabatabai, D., Leung, O., Kaur, J., Gyles, P., **Ibrahim, A.**, & Walker, C. (2009, November 19). *The beginning steps of inquiry: overcoming real barriers identified in real schools*. Workshop presented at the 2009 Annual Convention of the Quebec Provincial Association of Teachers, Montreal, Quebec, Canada.
- Ibrahim, A.**, & Lasry, N. (2009, June 8). *Choice and Confidence Transitions to Conceptual Tests as Fine Indicators of Learning: An analysis of ten years of Peer Instruction data*. Talk presented at the 2009 Canadian Association of Physicists Congress, Moncton, New Brunswick, Canada.
- Ibrahim, A.** (2009, June 1). *Categorization and Classification as Task Demands in Inquiry*. Talk presented at the 2009 1st mini Conference of the Centre for the Study of Learning and Performance, Sherbrook, Quebec, Canada.
- Hou, D., **Ibrahim, A.**, & Aulls, M. W. (2009, May 24). *How does Studying in Western Universities affect the Conceptions of Learning? The Case of Graduate Chinese Students in the UK and Canada*. Roundtable presented at the 37th Annual Conference of the Canadian Society for the Study of Education, Carleton University, Ottawa, Ontario, Canada.
- Aulls, M. W., **Ibrahim, A.**, Ritchie, K., Hua, O., & Hou, D. (2008, November 21). *Teachers' Insights Into Successful Strategies to Foster Cross-Curricular Competencies*. Talk presented at the 2008 Annual Convention of the Quebec Provincial Association of Teachers, Montreal, Quebec, Canada.

CONFERENCE POSTERS (PEER REVIEWED)

- Ibrahim, A.** & Arabasi, S. (2010, July 21). *Now you can compare them all!* **Poster** presented at the 2010 Physics Education Research Conference (PERC), Portland, OR.
- Ibrahim, A.** & Arabasi, S. (2010, July 21). *Which instrument to select (among so many)?* **Poster** presented at the 2010 Physics Education Research Conference (PERC), Portland, OR.

Aulls, M. W., & **Ibrahim, A.** (2010, May 2). *How do Kinds of Instructional Activities differentially influence student participation in a constructivist-based Educational Psychology course?* **Poster** presented in the 2010 Annual Meeting of the American Educational Research Association (AERA), Denver, CO.

Ibrahim, A., Dowd, J., & Lasry, N. (2009, July 29). *Effect of Peer Instruction on Student Conceptual Understanding: a Systematic Review of Literature.* **Poster** presented at the 2009 Physics Education Research Conference (PERC), Ann Arbor, MI.

TEACHING EXPERIENCE

- 01/2011 – 05/2011 Lecturer, McGill University, Montreal, Quebec, Canada
Course Taught: EDPE 304: Measurement and Evaluation (Winter 2011)
- 09/2010 – 03/2011 Lecturer, McGill University, Montreal, Quebec, Canada
Course Taught: EDPE 304: Measurement and Evaluation (Fall 2010)
- 03/2010 – 06/2010 Teacher, The Study high school, Montreal, Quebec, Canada
Course Taught: Physics for grade 11
- 03/2010 – 06/2010 Teacher, The Study high school, Montreal, Quebec, Canada
Course Taught: Technology for grades 9 and 10

TEACHING ASSISTANTSHIP EXPERIENCE

- 01/2011 – 05/2011 Lab Lecturer, University of Montreal, Montreal, Quebec, Canada
Course Assisted: RAD 6005: Functional Magnetic Resonance Imaging
- 01/2010 – 05/2010 Teaching Assistant, McGill University, Montreal, Quebec, Canada
Course Assisted: EDPE 605: Research Methods
- 09/2009 – 12/2009 Teaching Assistant, McGill University, Montreal, Quebec, Canada
Course Assisted: EDPE 684: Applied Multivariate Statistics
- 05/2007 – 08/2007 Teaching Assistant, eConcordia, Concordia University, Montreal, Quebec, Canada
Course Assisted: EDUC 298A: Educational Communication
- 01/2004 – 06/2004 Teaching Assistant, Modern Science & Arts University, Cairo, Egypt
Course Assisted: Electronic Circuits, Microwave Engineering, Intermediate Calculus
- 01/2001 – 06/2001 Teaching Assistant, Modern Science & Arts University, Cairo, Egypt
Courses Assisted: Electronics, Microprocessors and Digital Interfacing Design

ACADEMIC SERVICE: CONFERENCE PAPER REVIEWING

- 2010 Reviewer, 2010 Physics Education Research Conference (PERC).
- 2010 Reviewer, The Canadian Society for the Study of Education (CSSE) Conference.

RESEARCH GRANTS

2013 **Ibrahim, A.**, Aulls, M. W., Shore, B. M., & Kalman, C. S. (2013). Active learning electronic resources and tools for inquiry in science: Supporting Active Learning & Technological Innovation in Science Education SALTISE. CDN\$ 1000.00

AWARDS AND HONORS

2010 Graduate Research Enhancement and Travel Award CDN\$ 500.00
 McGill University

2009 Educational and Counselling Psychology Travel Award CDN\$ 500.00
 McGill University

SCHOLARSHIPS AND FELLOWSHIPS

2008 - 2009 McGill University Provost's Graduate Fellowship CDN\$ 5,000.00
 McGill University, Montreal, Quebec, Canada
Short Description of the fellowship:
 The McGill Provost's Graduate Fellowship is awarded to successful students entering their first year in doctoral studies at McGill university.

2001 - 2004 Masters of Information Technology Scholarship Award US\$ 106,647.17
 Institute of International Education, USA
Short Description of the scholarship:
 The Institute of International Education Masters of Information Technology Scholarship Award was given based on merit to ten exceptionally talented students who were qualified to pursue graduate studies in the field of Information Technology in the USA.