Jordis (Jodi) Asbell-Clarke
Jodi_asbell-clarke@terc.edu, 1-617-873-9716

a. Professional Preparation

Rochester Institute of Technology	Applied Math	B.S., 1983
Rice University	Applied Math	M.A., 1986
University of New Mexico	Astrophysics	M.S., 1989
University of Toronto	Education	Ph.D., 2011

b. Appointments

2009 - present Director of EdGE (Educational Gaming Environments group), TERC
2005 - present Senior Leader, Center for Science Teaching and Learning, TERC
2002 - present Part-time Faculty, Saint Mary's University
1995 - 2004 Science Education Developer and Researcher, TERC
2003 - 2005 Part-time Faculty, Lesley University
1989 - 1992 Associate Faculty, University High School, University of Illinois
1983 - 1986 Verification Analyst On-flight Space Shuttle Software, IBM 1989-90

c. Products

(i) Five most closely related to proposal project

Asbell-Clarke, J., & Rowe, E. (2014). Scientific inquiry in digital games. In F. Blumberg (Ed.), *Learning by Playing: Frontiers of Video Gaming in Education* (pp. 246-260). New York: Oxford University Press.

Rowe, E., Asbell-Clarke, J., Bardar, E., Kasman, E., & MacEachern, B. (2014). Crossing the bridge: Connecting game-based implicit science learning to the classroom. Paper presented at the 10th annual Games+Learning+Society conference in Madison, WI, June 11-13.

Asbell-Clarke, J. (2014) "What Lies Below: Implicit Learning in Games" Presented at SxSWedu, Austin TX. March 2014.

Rowe, E., Asbell-Clarke, J. & Edwards, T. (2014). Flow & Learning in Quantum Spectre. In E. Rowe & D. Shernoff (Chairs) *The Finnish-US Network (FUN): Studying Flow in Educational Games & Gamified Learning Environments*. Symposium at the 2014 EDMedia World Conference on Educational Media and Technology in Tampere, Finland, June 23-27.

Rowe, E., Baker, R., & Asbell-Clarke, J. (2014). Building automated detectors of gameplay strategies to measure implicit science learning. Poster presented at the Seventh International Conference on Educational Data Mining in London, July 4-7.

(ii) Other related papers and presentations

1. Sylvan, E., Larsen, J., Edwards, T., & Asbell-Clarke, J. (2012). The Canary's Not Dead, It's Just Resting: The Productive Failure of a Science-Based Augmented-Reality Game. *Proceedings of Games+Learning+Society 8.0 (GLS 8.0.)* (pp. 31-37). ETC Press.

2. Bardar, E., Asbell-Clarke, J., Edwards, T., & Larsen, J. L. (2013). *Impulse*. Paper presented at the Games+Learning+Society 9.0 (GLS 9.0) Conference, Madison, WI.

3. Edwards, T., Bardar, E., Asbell-Clarke, J., & Larsen, J. L. (2013). *Quantum Spectre*. Paper presented at the Games+Learning+Society 9.0 (GLS 9.0) Conference, Madison, WI.

4. Asbell-Clarke, J., Edwards, T, Larsen, J., Rowe, E., Sylvan, E., & Hewitt, J. (2011). *Collaborative Scientific Inquiry in Arcadia: An MMO gaming environment on Blue Mars.* Paper presented at the American Education Research Association Annual Meeting, New Orleans, LA. *Winner of AERA ARVEL-SIG Emergent Scholar Award*.

5. Edwards, T., Larsen, J., & Asbell-Clarke, J. (2010). *The Martian Boneyards: A Science-Based Game and Research Project in the HD MMO Blue Mars.* Paper presented at the Games, Learning, and Society conference, Madison, WI.

d. Synergistic Activities

1. Author of three published national science curricula (Hands-On Universe: self-published Lawrence Hall of Science, Investigating Astronomy (PI, published by It's About Time publishing), and Astrobiology (published by It's About Time publishing) and two STEM learning games (Impulse and Quantum Spectre – http://edge.terc.edu)
2. Editorial Board, International Journal of Game Based Learning, 2012-present
3. Chair and panelist, NSERC CREATE review program (Canadian federal funding agency) 2010-2013 (chair 2013); Chair and panelist, NSERC Promoscience review program (Canadian federal funding agency) 2006-2009 (chair 2009); Panelist NSF EHR review panels 2006-present
4. Cyberlearning Summit Invited Talk January 2012 (http://www.youtube.com/watch?v=0tdN-_2fSFY)
5. Executive Board, ARVEL SIG of AERA (Applied Research in Virtual Environment for Learning) 2009-2011

e. Collaborators & Other Affiliations
(i)Collaborators

Ryan Baker, Teachers College/Columbia University
Erin Bardar, Teon Edwards, James Larsen, Barbara MacEachern, Elizabeth Rowe, Elisabeth Sylvan, EdGE at TERC
Richard Halverson, GLS/University of Wisconsin
Robert Jacob, Tufts University
Jarmo Vitell, TAUCHI, University of Tampere, Finland
Brianno Coller, David Shernoff, Northern Illinois University

(ii) Graduate and Postdoctoral Advisors

Dr. James Hewitt, OISE/University of Toronto

(iii) Thesis Advisor and Postgraduate-Scholar Sponsor

n/a