

Arlozorov 18, apt #1
Gyvatayim 53373

Rinat B. Rosenberg-Kima – CV
www.rinatrosenbergkima.com

rinat.rosenberg.kima@gmail.com
054-9959701

EDUCATION

Postdoc, the Lawrence Hall of Science, UC Berkeley	2012-2014
Science Education, Assessment, Analytics	
Ph.D. in Educational Psychology and Learning Systems, Florida State University.	2012
Dissertation title: “Effects of Task-Centered vs. Topic-Centered Instructional Strategy Approaches on Problem Solving – Learning to Program in Flash”.	
M.A. in Psychology, Tel-Aviv University, Israel.	2004
Psychobiology. <i>Magna Cum Laude</i> . Thesis title: “Assessment of Executive Control in School-Age Children with the ‘Balloons’: Psychometric, Developmental and Predictive Characteristics”.	
B.A. in Computer Sciences and Economics, Tel-Aviv University, Israel.	1999
<i>Magna Cum Laude</i> .	

RESEARCH INTERESTS

Educational Data Mining, Unobtrusive Assessment (and how to shift from assessment of learning to assessment as learning), Science Models and Simulation (Microworlds), Complex Learning, Computational Thinking, Affect and Learning, Massive Open Online Courses (MOOCs).

HONORS AND AWARDS

Returning Scientists Scholarship, Ministry of Immigrant Absorption.	2014-2015
Postdoctoral Scholarship, Tel-Aviv University	2014-2015
Gagne/Briggs Outstanding Doctoral Student Award. The Department of Educational Psychology and Learning Systems, Florida State University.	2010
Ruby Diamond Future Professor Award. The Department of Educational Psychology and Learning Systems, Florida State University.	2010
Award of Graduate Student Professional Meeting by the Council on Research in Education (CORE) funded by the College of Education, Florida State University.	2010
Florida Israel Institute scholarship (merit-based award).	2009-2012
Dissertation Research Grant Award funded by Dissertation Research Grant Committee, Graduate Studies, Florida State University.	2009
Finalist for the Liliana Mulhman Masoner award for excellent performance as an international student. The Department of Educational Psychology and Learning Systems, Florida State University.	2009
Finalist for Ruby Diamond future professor award. The Department of Educational Psychology and Learning Systems, Florida State University.	2007
Selected to participate in Pittsburgh Science of Learning Center (PSLC) summer school, Carnegie Mellon University.	2007

RESEARCH & DEVELOPMENT EXPERIENCE

- Postdoctoral Fellow, Department of Psychology, Tel-Aviv University.** Designing and developing a web-based education intervention platform for parents addressing social, emotional, and cognitive development challenges of toddlers, children, and adolescents. 2014-
- Senior Assessment Specialist, the Lawrence Hall of Science, University of California, Berkeley** Lead assessment and analytics team for the Learning Design Group's digital Middle School curriculum project (post doctoral position). 2012-2014
- Research Assistant, Learning Systems Institute (LSI), Florida State University.** Under the supervision of Dr. Tristan Johnson. Responsibilities included development of a C# Algorithm for the United States Air Force Research Lab (AFRL), development of agent based models, writing papers and grant proposals, and conference presentations. 2008-2011
- Instructional Materials Developer, the College of Communication, Florida State University.** Developed instructional materials for dysphagia. 2009-2010
- Team leader of the development team & Research Assistant, the Center for Research and Innovative Technologies for Learning (RITL), Florida State University.** Under the supervision of Dr. Amy L. Baylor. Lead a team of three programmers to develop experimental applications that use pedagogical agents for changing attitudes. Research responsibilities included: designing and proctoring studies, statistical analysis, writing and presentation of conference papers, and writing of journal articles. 2005-2008
- Research Assistant, the Knowledge Community Research Group (KCRG), Florida State University.** Under the supervision of Dr. Ian Douglas. Responsibilities included web development including programming a demo for a handheld device application that displays information based on location. 2005-2006
- Statistical Consultant** for graduate students at Tel-Aviv University and Bar-Ilan University 2002-2004
- Educational Software Developer, Freelancer.** Developed educational multimedia for private companies in Israel. 2003-2004
- Experiments Developer, the Department of Psychology, Tel-Aviv University.** Developed experiments for Prof. Matti Mintz, Prof. Avi Sadeh, Prof. Reuven Dar, and Dr. Yair Bar-Haim. 2000-2004
- Programmer and Team Leader, the Center for Educational Technology (CET), Israel.** Designed and developed educational software for K-12 in sciences, geometry, math, literature, geography, and history. 1997-2003
- Development tools used in the various projects include:** Matlab, R, Java Script, VB Script, C#, ASP, CSS, Visual Basic, Macromedia/Adobe Flash action script, Adobe Captivate, SCORM, Moodle, Director, SQL server, Poser, Netlogo.

TEACHING EXPERIENCE

Responsibilities included lecturing, course planning, syllabus design, exam and quizzes design, grading, and managing blackboard learning system.

Bar-Ilan University

Lecturer, 97125: Learning with Models and Simulations. 2015-

Florida State University

Teaching Assistant, EDP5216: Theories of Learning and Cognition in Instruction. 2010

Teaching Assistant, EME6403: Designing for Online Collaborative Learning (online course). 2007-2008

Teaching Assistant, EDP5216: Learning Theories & Cognition (online course). 2007-2008

Instructor, FOL3930: Intermediate Hebrew II. 2005-2006

Instructor, HBR2200-01: Intermediate Modern Hebrew. 2005-2006

The Department of Computer Sciences, the Open University, Israel

Instructor, 20582: Computer Networks. 2003-2004

Instructor, 20290: Algorithms. 1999-2004

Instructor, 20471: Assembler. 1997-1999

The Department of Psychology, Tel-Aviv University

Teaching Assistant, Research Methods and Statistics (graduate level). 2002-2003

PROFESSIONAL AND COMMUNITY SERVICE

Mentor at the "Lev Math Project" (mentoring a 3rd grade student), Jaffa, Tel-Aviv. 2014-

Reviewer. Educational Technology Research and Development (ETR&D) Journal. 2014-

Reviewer. Educational Research and Reviews Journal. 2014-

Reviewer. Educational Data Mining (EDM) Conference. 2014

Reviewer. American Educational Research Association (AERA) Conference. 2013-2014

Reviewer. Association for Educational Communications and Technology Conference. 2012

Mentor at Sealey Elementary Math & Science Magnet School, Tallahassee, FL. 2011-2012

Mentored children in reading, writing, and mathematical skills.

Mentor at the Instructional Systems Student Association (ISSA) Mentoring Program for new students. 2009

Reviewer (2009). Computers & Education. 2009

PROFESSIONAL MEMBERSHIPS

Artificial Intelligence in Education (AIED) Society

International Educational Data Mining (EDM) Society

American Educational Research Association (AERA)

Association for Educational Communications and Technology (AECT)

PUBLICATIONS

Refereed Journal Articles:

- Rosenberg-Kima, R. B., Plant, E. A., Baylor, A. L., & Doerr, C. E. (2010). The role of computer based models race and gender on female students' attitudes and beliefs towards engineering. *Journal of Engineering Education*, 99(1), 35-44. [impact factor 2.77]
- Rosenberg-Kima, R. B., & Sadeh, A. (2010). Attention, response inhibition and face information processing in Children: the role of task characteristics, age and gender. *Child Neuropsychology*, 16(4), 388-404. [impact factor 2.18]
- Plant, E. A., Baylor, A. L., Doerr, C., & Rosenberg-Kima, R. (2009). Changing middle-school students' attitudes and performance regarding engineering with computer-based social models. *Computers and Education*, 53(2), 209-215. [impact factor 2.63]
- Rosenberg-Kima, R. B., Baylor, A. L., Plant, E. A., & Doerr, C. E. (2008). Interface agents as social models for female students: The effects of agent visual presence and appearance on female students' attitudes and beliefs. *Computers in Human Behavior*, 24(6), 2741-2756. [impact factor 2.273]

Refereed Proceedings:

- Rosenberg-Kima, R., Pardos, Z.A. (2015) Is This Model For Real? *In Proceedings of the 17th International Conference on Artificial Intelligence in Education (AIED)*. Madrid, Spain.
- Rosenberg-Kima, R., Pardos, Z.A. (2014) Is This Data For Real? *In Proceedings of the Twenty Years of Knowledge Tracing Workshop at the 7th International Conference on Educational Data Mining (EDM)*. London, UK. Pages 141-145.
- Johnson, T., Rosenberg-Kima, R. B. (2011). Development of a Training Effects Algorithm for Modeling the Impact of Training in IMPRINT for 21st Century Air Force Needs. Proceedings of the 2011 Military Modeling & Simulation Symposium (MMS), Boston, MA, Vol. 7, (pp. 86-91). **MMS Best Paper Recipient.**
- Rosenberg-Kima, R. B., Plant, E. A., Baylor, A. L., & Doerr, C. (2007). Changing attitudes and performance with computer-generated social models. Proceedings of Artificial Intelligence in Education (AI-ED), Marina Del Ray, California. *Frontiers in Artificial Intelligence and Applications*, Vol. 158, (pp. 51-58), IOS Press.
- Rosenberg-Kima, R. B., Baylor, A. L., Plant, E. A., & Doerr, C. (2007). The importance of interface agent visual presence: Voice alone is less effective in impacting young women's attitudes toward engineering. Proceedings of Persuasive 2007, Stanford, California. *Lecture Notes in Computer Science*, Vol. 4744, (pp. 214-222), Springer.
- Baylor, A. L., Rosenberg-Kima, R. B., & Plant, E. A. (2006). Interface agents as social models: the impact of appearance on females' attitude toward engineering. Proceedings of International Conference on Human Factors in Computing Systems (CHI 2006), Montreal, Canada. (pp. 526-531), ACM Press.
- Baylor, A. L., & Rosenberg-Kima, R. B. (2006). Interface agents to alleviate online frustration. Proceedings of the 7th International Conference on Learning Sciences, (pp.30-36), Bloomington, Indiana: ISLS.

Invited publications:

- Rosenberg-Kima, R. (2015). Tools for modeling and simulation. In J. Spector (Ed.), *The SAGE encyclopedia of educational technology*. (pp. 775-780). Thousand Oaks, CA: SAGE Publications, Inc. doi: <http://dx.doi.org/10.4135/9781483346397.n316>

Rosenberg-Kima, R. B. (2012). *Effects Of Task-Centered Vs. Topic-Centered Instructional Strategy Approaches On Problem Solving-Learning To Program In Flash* (Dissertation). Florida State University. Retrieved from <http://diginole.lib.fsu.edu/etd/5148/>

Papers Presented at Conferences:

Rosenberg-Kima, R. B., Merrill, M. D., Johnson, T., Baylor, A. L. (2013, April). Examination of Task-Centered Versus Topic-Centered Instructional Strategies for Complex Learning: Cognitive Load and Motivational Considerations. Paper presented at AERA (American Educational Research Association), San Francisco, CA.

Turel, Y. K., Johnson, T., & Rosenberg-Kima, R. B. (2011, November). Validation of a team process model. Paper presented at AECT (Association for Educational Communications and Technology), Jacksonville, FL.

Johnson, T., Karaman, S., & Rosenberg-Kima, R. B. (2010, October). Computer modeling of teams learning: an agent based social simulation of team learning (SSTeL). Paper presented at AECT (Association for Educational Communications and Technology), Anaheim, CA.

Rosenberg-Kima, R. B., Plant, E. A., Doerr, C.E., & Baylor, A. L. (2010, May). The impact of interface agent race and gender on female students' attitudes and beliefs towards engineering. Paper presented at AERA (American Educational Research Association), Denver, Colorado.

Johnson, T., Sikorski, E. G., Rosenberg-Kima, R. B., Novak, E., & Andrews, D. E. (2010, May). Development of a training effects algorithm for use within an agent-based modeling and simulation tool. Paper presented at AERA (American Educational Research Association), Denver, Colorado.

Rosenberg-Kima, R. B., Plant, E. A., Doerr, C.E., & Baylor, A. L., (2010, March). The impact of interface agent race and gender on female students' attitudes and beliefs towards engineering. Poster presented at the Marvalene Hughes Research in Education Conference, Tallahassee, FL.

Doerr, C.E., Plant, E. A. Rosenberg-Kima, R. B., & Baylor, A. L. (2008, June). Engineering inclusiveness: pedagogical agents improve female students' attitudes toward engineering. Paper presented at the 7th Biennial Society for the Psychological Study of Social Issues Conference, Chicago, IL.

Rosenberg-Kima, R. B., Baylor, A. L., Plant, E. A., & Doerr, C. E. (2008, March). The importance of interface agent visual presence and appearance in impacting young women's attitudes toward engineering. Paper presented at AERA (American Educational Research Association), New York, NY.

Doerr, C.E., Plant, E. A. Rosenberg-Kima, R. B., & Baylor, A. L. (2008, February) Increasing young women's interest in engineering: Targeting autonomy, relatedness, and competence. Paper presented at the 9th Annual Meeting of the Society for Personality and Social Psychology. Albuquerque, NM.

Baylor, A. L. & Rosenberg-Kima, R. B. (2007, April) Interface agents to alleviate frustration in online learning. Paper presented at AERA (American Educational Research Association), Chicago, IL.

Baylor, A. L. & Rosenberg-Kima, R. B. (2007, April) Interface agents as social models: the impact of appearance on females' attitude toward engineering. Paper presented at AERA (American Educational Research Association), Chicago, IL.

Invited Workshops:

Rosenberg-Kima, R. B. (2012, June). Using a Task-Centered Instructional Strategy and Problem-Based Learning in Health Education. New Literacies for Unified Health Sciences Faculty Workshop, Kigali Health Institute, Kigali, Rwanda.

Rosenberg-Kima, R. B. (2013, July). Designing for Engagement. Second course of the Learning Science Diploma. New Literacies for Unified Health Sciences Faculty Workshop, Kigali Health Institute, Kigali, Rwanda.

Rosenberg-Kima, R. B. (2013, Au). Curriculum, Assessment, and Analytics. Third course of the Learning Science Diploma. New Literacies for Unified Health Sciences Faculty Workshop, Kigali Health Institute, Kigali, Rwanda.

REFERENCES

Amy L. Baylor

Former Associate Professor of Instructional Systems, Florida State University

Email: amy.baylor@gmail.com

Homepage: <http://amybaylor.com>

Phone: (703) 236-1898

Avi Sadeh

Professor of Psychology, Director of the Children's Sleep Laboratory, Tel Aviv University

Lab Homepage: <http://sleep.tau.ac.il>

Email: sadeh@post.tau.ac.il

Office: +972-36409296, Mobile: +972-546339296, Fax: +972-36408074

Tristan E. Johnson

Director of Online Education, Graduate School of Engineering, Northeastern University

Phone: (617) 373-6775, Fax: (617) 373-2501, <http://coe.neu.edu> | tri.johnson@neu.edu

Jacqueline Barber

Executive Director, The Learning Design Group

Associate Director, The Lawrence Hall of Science, UC Berkeley

Phone: (510) 642-2336, jbarber@berkeley.edu

M. David Merrill

Emeritus Professor Utah State University

Email: professordavemerrill@gmail.com

Phone: (435) 656-4339, Cell phone: (435) 760-0419