



Erin M. Bardar

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Professional Preparation

PH.D. IN ASTRONOMY, Boston University, Boston, MA 2006
NASA Graduate Student Researchers Program (GSRP) Fellow

SC.B. IN PHYSICS, Brown University, Providence, RI 2000

Professional Appointments

TERC, Cambridge, MA 2006-Present

Curriculum Developer, Co-PI:

Design and development of formal and informal science curriculum; teacher professional development

Freelance Education Consultant 2006-Present

Curriculum development, science content review

Publications and Presentations

Bardar, E.M. (2008). "First Results from the Light and Spectroscopy Concept Inventory," *Astronomy Education Review*, 6(2).

Bardar, E.M. & Brecher, K. (2008). "Project LITE Educational Materials and Their Effectiveness as Measured by the Light and Spectroscopy Concept Inventory," *Astronomy Education Review*, 6(2).

Bardar, E.M., Prather, E. E., Brecher, K., & Slater, T. F. (2007). "Development and Validation of the Light and Spectroscopy Concept Inventory," *Astronomy Education Review*, 5(2).

Bardar, E. M. (Weeks), Prather, E. E., Brecher, K., & Slater, T. F. (2005). "The Need for a Light and Spectroscopy Concept Inventory for Assessing Innovations in Introductory Astronomy Survey Courses," *Astronomy Education Review*, 4(2).

Presenter, *Evaluating Introductory Astronomy Instruction: The Light and Spectroscopy Concept Inventory*. American Association of Physics Teachers meeting, Salt Lake City, UT. 2005.

Presenter, *Learner Centered Astronomy Teaching: Labs for Introductory Astronomy*. College Astronomy Teaching Excellence Workshop sponsored by NSF Chautauqua Short Course for College Teachers/NASA JPL Center for Astronomy Education, Kona, HI. 2005.

Presenter, *Seeing the Astronomical LITE: Light Inquiry Through Experiments*. Invited hands-on workshop at Cosmos in the Classroom 2004 Symposium, Medford, MA, 2004.

Presenter, *Learner Centered Astronomy Teaching: Labs for Introductory Astronomy*. College Astronomy Teaching Excellence Workshop sponsored by NSF Chautauqua Short Course for College Teachers/NASA JPL Center for Astronomy Education, Maui, HI. 2004.

Patent

Binocular Spectrometer: United States Patent Number 7,202,949. Issued April 10, 2007.

Professional Memberships

American Association for the Advancement of Science (AAAS)
Astronomical Society of the Pacific (ASP)