

N. SANJAY REBELLO
Short Curriculum Vitae

EDUCATION

1995	Ph. D. (Physics)	Brown University, Providence, Rhode Island
1992	Sc.M (Physics), Sc.M (Engineering)	Brown University, Providence, Rhode Island
1989	M.Sc. (Physics), B.E. (Electrical & Electronics)	Birla Institute of Technology & Science, India

EMPLOYMENT

2001 –	Assistant Professor (Tenure Track), Physics Department, Kansas State University
1998 – 2001	Assistant Professor (Tenure Track), Physics Department, Clarion Univ. of Pennsylvania
1995 – 1998	Postdoctoral Research Associate, Physics Department, Kansas State University
1989 – 1995	Teaching Assistant, Physics Department, Brown University

SELECTED GRANTS

1. “Research on Students’ Mental Models, Learning and Transfer as a Guide to Application-Based, Curriculum Development and Instruction in Physics”, N. Sanjay Rebello (Principal Investigator), National Science Foundation CAREER/PECASE Grant, National Science Foundation \$ 436,796, March 2002 – March 2007.
2. “Assessing Student Transfer and Retention of Learning in Mathematics, Physics and Engineering Courses,” Andrew G. Bennett (Principal Investigator) and N. Sanjay Rebello (Co-Principal Investigator) National Science Foundation, Assessment of Student Achievement (ASA) Grant, National Science Foundation, \$ 500,000, July 2002 – July 2006.
3. “Implementing the Workshop Model and other Research-based Instructional Strategies in Physics and Mathematics Courses”, N. Sanjay Rebello (Principal Investigator), Sharon L. Challener, J. Ivan Rhode, Jon Beal, and Karen Bolinger; Course Curriculum & Lab Innovation (CCLI) Grant, National Science Foundation, \$81,207, September 1999 – September 2002.

RECENT SELECTED PUBLICATIONS

1. “Dynamic transfer: A perspective from physics education research,” N. Sanjay Rebello, Dean A. Zollman, with contributions from Alicia R. Allbaugh, Paula V. Engelhardt, Kara E. Gray, Zdeslav Hrepic and Salomon F. Itza-Ortiz in *Transfer of Learning: Research and Perspectives*, Ed. Jose P. Mestre, Information Age Publishing, in series *Current perspectives on cognition, learning and instruction*, (in press).
2. “How many students does it take before we see the light,” Paula V. Engelhardt, Kara E. Gray, and N. Sanjay Rebello, *The Physics Teacher*, (in press).
3. “A framework for the dynamics of student reasoning in an interview,” Salomon F. Itza-Ortiz, Alicia R. Allbaugh, Paula V. Engelhardt, Kara E. Gray, Zdeslav Hrepic, N. Sanjay Rebello and Dean A. Zollman, *Proceedings of the Annual Meeting of the National Association for Research in Science Teaching*, April 1-3, 2004, Vancouver BC.
4. “Student explorations of quantum effects in LEDs and luminescent devices,” Lawrence T. Escalada, N. Sanjay Rebello, and Dean A. Zollman, *The Physics Teacher*, Vol. 42, March 2004, pp.173-179.
5. “The effect of distracters on student performance on the force concept inventory,” N. Sanjay Rebello and Dean A. Zollman, *American Journal of Physics*, Vol. 72, No. 1, January 2004, pp. 116-125.

SELECTED RECOGNITIONS

- “Research on Students’ Mental Models, Learning and Transfer as a Guide to Application-Based, Curriculum Development and Instruction in Physics,” Presidential Early Career Award for Scientists & Engineers (PECASE), 2002.
- “Spectroscopy,” N. Sanjay Rebello, Chandima Cumaranatunge, Lawrence T. Escalada and Dean A. Zollman, Winner, *Seventh Annual Computers in Physics Educational Software Contest*, January 1997.
- “Presidential Award for Excellence in Teaching,” with honorarium \$2000, Brown University, May 1992.