

DiLisi, Gregory A., Ph.D.

Associate Professor of Education
Department of Education and Allied Studies
Undergraduate and Graduate Faculty
Appointed 1997

1. **Academic Degrees**

- Ph.D. Case Western Reserve University 1992 Physics
- M.S. Case Western Reserve University 1989 Physics
- B.S. Cornell University 1987 Applied & Engineering Physics

2. **Professional Experience**

- 2006 – present John Carroll University – Associate Professor of Science Education and Instructional Technology
- 2000 – 2006 John Carroll University – Assistant Professor of Science Education and Instructional Technology
- 1998 – 2000 John Carroll University – Visiting Assistant Professor of Science Education and Instructional Technology
- 1997 John Carroll University (Joint-Appointment) – Visiting Assistant Professor of Physics and Visiting Assistant Professor of Science Education and Instructional Technology
- 1992 – 1997 Case Western Reserve University – Instructor of Physics

3. **Faculty and Administrative Load**

- Spring Semester, 2011
 - **AR 171** – *Interdisciplinary Science* (3 credits)
 - **AR 171 L** – *Interdisciplinary Science – Laboratory* (0 credits)
 - **ED 424 A** – *Middle Childhood Curriculum and Content Methods in Mathematics and Science* (3 credits)
 - **ED 424 B** – *Middle Childhood Curriculum and Content Methods in Language Arts and Social Studies* (3 credits)
 - **ED 480 A** – *Special Topics in Physics, Earth/Space Sciences and Science Education* (3 credits)
 - **ED 480 B** – *Special Topics in Physics, Earth/Space Sciences and Science Education – Laboratory* (1 credit)
- Fall Semester, 2010
 - **AR 171** – *Interdisciplinary Science* (3 credits)
 - **AR 171 L** – *Interdisciplinary Science – Laboratory* (0 credits)
 - **ED 424** – *Middle Childhood Curriculum and Content Methods* (3 credits)
 - **ED 432** – *Middle School Education Philosophy and Instruction* (3 credits)
 - **ED 580 I** – *Special Topics in Physics, Earth/Space Sciences and Science Education I* (3 credits)
 - **ED 580 J** – *Special Topics in Physics, Earth/Space Sciences and Science Education I – Laboratory* (1 credit)
 - **ED 580 K** – *Special Topics in Physics, Earth/Space Sciences and Science Education II* (3 credits)

- **ED 580 L** – *Special Topics in Physics, Earth/Space Sciences and Science Education II – Laboratory* (1 credit)
- Summer Semester, 2010
 - **ED 424 A** – *Middle Childhood Curriculum and Content Methods in Mathematics and Science* (3 credits)
 - **ED 424 B** – *Middle Childhood Curriculum and Content Methods in Language Arts and Social Studies* (3 credits)
 - **ED 432** – *Middle School Education Philosophy and Instruction* (3 credits)

Other Collegiate Assignments

- Coordinator – Middle Childhood Education
 - Coordinator – Grades 4/5 Generalist Endorsement for Early Childhood Educators
 - Department of Education and Allied Studies – Teacher Education Committee
 - Advisees: 58 undergraduates – This number represents a mixture of freshmen/sophomore advisees and academic major (both Early Childhood and Middle Childhood) advisees.
 - Student Teachers Supervised: 0
4. **Current Professional and Academic Association Memberships (asterisk beside meetings attended)**
- 2010 American Association of Physics Teachers, Washington, D.C.*
 - 2010 National Science Teachers Association, Philadelphia, Pennsylvania*
 - 2010 Center for the Advancement of Informal Science Education, Washington, D.C.*
 - 2009 American Association of Physics Teachers, Ann Arbor, Michigan*
 - 2009 American Association of Physics Teachers, Chicago, Illinois*
5. **Current Professional Assignments and Activities (non-teaching)**
- Past-President (2010 – 2011) – Ohio Section of the American Association of Physics Teachers
 - President (2009 – 2010) – Ohio Section of the American Association of Physics Teachers
 - Member since 1998 – American Association of Physics Teachers
 - Member since 2000 – National Science Teachers Association

6. Publications

(*) denotes a refereed publication or refereed program review	
19	* G. A. DiLisi, K. McMillin, and M. E. Virostek, <i>Project WISE: Building STEM-Focused Youth-Programs that Serve the Community</i> , Journal of STEM Education: Innovations and Research , Vol. 12, No. 5, pp. 38-45, August, 2011.
18	* G. A. DiLisi and R. A. Rarick, <i>Prepare for Landing</i> , The Physics Teacher , Vol. 45, No. 5, pp. 300-302, May, 2007.
17	* R. Dempsey, G. A. DiLisi, L. A. DiLisi, and G. Santo, <i>Thank You for Flying the Vomit Comet</i> , The Physics Teacher , Vol. 45, No. 2, pp. 75-79, February, 2007.
16	* G. A. DiLisi and R. A. Rarick, <i>Modeling the 2004 Tsunami for Introductory Physics Courses</i> , The Physics Teacher , Vol. 44, No. 9, pp. 585-588, December, 2006.
15	* G. A. DiLisi, S. J. Eppell and J. Upton, <i>Hierarchical Learning Ensembles: Team-Building for Undergraduate Scientists and Engineers</i> , Journal of College Science Teaching , Vol. 35, No. 5, March/April, 2006.
14	* G. A. DiLisi, J. Eulberg, J. Lanese, and P. Padovan, <i>Establishing Good Habits for Solving Problems in Introductory Science Courses</i> , Journal of College Science Teaching , Vol. 35, No. 5, March/April, 2006.
13	* G. A. DiLisi, <i>Adolescent/Young Adult – Science Program Review</i> , reviewed by the National Science Teachers Association , “National Recognition” status, May, 2005.
12	* G. A. DiLisi, L. A. DiLisi, K. M. Peckinpaugh, and C. M. Winters, <i>Got Milk? A Beer’s Law Experiment</i> , The Physics Teacher , Vol. 43, No. 3, pp. 144-147, March, 2005.
11	* G. A. DiLisi and R. Rarick, <i>Monday Night Football: Physics Decides Controversial Call</i> , The Physics Teacher , Vol. 41, No. 8, pp. 454-459, November, 2003.
10	<i>Science is the Solution – Teacher’s Guide and Student Activities: A Middle School Multiple Media Program Studying Motion, Gravity, Energy, and Waves</i> . The packet includes: Teacher’s Guide, Student Activities, CD, and Video, published May, 2001.
9	* G. A. DiLisi, C. Rosenblatt, and E. Terentjev, <i>Viscoelastic Properties of a Bent and Straight Dimeric Liquid Crystal</i> , J. Physique II , Vol. 3, No. 3, p. 597, 1993.
8	* G. A. DiLisi, C. Rosenblatt, and A. C. Griffin, <i>Bend Elastic Modulus of a Bent and Straight Dimeric Liquid Crystal</i> , J. Physique II , Vol. 2, 1992.
7	G. A. DiLisi, Oligomeric Liquid Crystals: Viscoelastic Properties and Surface Interactions , Ph.D. dissertation, Case Western Reserve University Department of Physics, March, 1992.
6	* G. A. DiLisi, C. Rosenblatt, R. B. Akins, A. C. Griffin, and U. Hari, <i>Anchoring Strength Coefficient of a Monomer and its Dimer at a Polymer-Coated Interface</i> , Liquid Crystals , Vol. 11, p. 63, 1992.
5	* G. A. DiLisi, C. Rosenblatt, A. C. Griffin, and U. Hari, <i>Viscoelastic Properties of a Liquid Crystalline Monomer and its Dimer</i> , Physical Review A , Vol. 45, p. 5738, 1992.
4	* Z. Li, R. B. Akins, G. A. DiLisi, and C. Rosenblatt, <i>Anomaly in the Dynamic Behavior of the Electroclinic Effect Below the Nematic-Smectic A Phase Transition</i> , Physical Review A , Vol. 43, No. 2, 1991.
3	* Z. Li, G. A. DiLisi, R. G. Petschek, and C. Rosenblatt, <i>Nematic Electroclinic Effect</i> , Physical Review A , Vol. 41, No. 4, 1990.
2	* G. A. DiLisi, C. Rosenblatt, A. C. Griffin, and U. Hari, <i>Splay Elasticity in an Oligomeric Liquid Crystal</i> , Liquid Crystals , Vol. 8, No. 3, 1990.
1	* G. A. DiLisi, C. Rosenblatt, A. C. Griffin, and U. Hari, <i>Behavior of the Anchoring Strength Coefficient Near a Structural Transition at a Nematic-Substrate Interface</i> , Liquid Crystals , Vol. 7, No. 3, 1990.

7. Papers Presented

- 2009 American Association of Physics Teachers, Chicago, Illinois – presenter
- 2008 American Association of Physics Teachers, Edmonton, Canada – presenter
- 2008 American Association of Physics Teachers, Baltimore, Maryland – presenter
- 2007 American Association of Physics Teachers, Seattle, Washington – presenter
- 2006 American Association of Physics Teachers, Syracuse, New York – presenter
- 2006 American Association of Physics Teachers, Anchorage, Alaska – presenter
- 2005 American Association of Physics Teachers, Albuquerque, New Mexico – presenter
- 2004 American Association of Physics Teachers, Miami, Florida – presenter
- 2003 American Association of Physics Teachers, Austin, Texas – presenter

8. Research

- **Awarded:**

- Title: *PROJECT WISE: Working in Informal Science Education*
Dates: September, 2007 – September, 2011
Agency: National Science Foundation
Program: Informal Science Education
- Title: *Adapting and Implementing Hierarchical Learning Ensembles: A New Pedagogy for Team-Building and Group Decision Making in Undergraduate Engineering and Science Education*
Dates: September, 2003 – September, 2005
Agency: National Science Foundation
Program: Course, Curriculum and Laboratory Improvement

- **Submitted – Currently under Review:**

- Title: *PEARLS OF WiSTEM: Performance-Based Education of Aviation and Real-Life Stories of Women in STEM*
Dates: September, 2011 – September, 2015
Agency: National Science Foundation
Program: Informal Science Education

- **To Be Submitted:**

- Title: *TUES through WEDS: Transforming Undergraduate Education in STEM through Work in Engineering-Design Strategies*
Dates: September, 2011 – September, 2013
Agency: National Science Foundation
Program: Transforming Undergraduate Education in STEM