

MITZI RENEE VERNON

Abbreviated Biography & Curriculum Vitae | August 2015

School of Architecture + Design

Virginia Polytechnic Institute and State University | Blacksburg, VA 24061-0205

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www.fieldseverywhere.org

www.studiocollaborative.soe.vt.edu

Mitzi Vernon is a Professor of Industrial Design in the School of Architecture + Design at Virginia Tech. Her career spans 29 years of practice and teaching in industrial design, engineering and architecture. As originator of the project, *Fields Everywhere*, she has been recipient of several patents and grants supporting her research in using design to teach science to children. She was one of the inaugural speakers for TEDx Virginia Tech, delivering *Mapping the Invisible* in 2012. She is an Edward Singleton Diggs Teaching Scholar, and among other awards, she has been honored with a 2008 Dell ReGeneration International Design Educator Award and the prestigious William E. Wine Award for Excellence in Teaching. An emerging stream of her research is the pedagogy of product *form*.

EDUCATION

1995 MASTER OF SCIENCE IN ENGINEERING IN PRODUCT DESIGN | Stanford University

1986 MASTER OF ARCHITECTURE | Virginia Polytechnic Institute & State University

1984 BACHELOR OF SCIENCE | Housing & Interior Design | University of North Carolina-Greensboro

ACADEMIC APPOINTMENTS

2009	—	PROFESSOR	Industrial Design	Virginia Tech
2001-2008		ASSOCIATE PROFESSOR	Industrial Design	Virginia Tech
1995-2001		ASSISTANT PROFESSOR	Industrial Design	Virginia Tech
1995		ADJUNCT INSTRUCTOR	Industrial Design	California College of the Arts
1986-1991		ASSISTANT PROFESSOR	Department of Design	Arizona State University
1991-1992		ADJUNCT INSTRUCTOR	Architecture	University of Southern California

PROFESSIONAL EXPERIENCE | Special Projects

1995 — **Fields Everywhere & Phoebe's Field** | Since 1995
Using design to teach science to children – exhibition design & children's novella in process

2011 — **The Scholarship of Form** | Since 2011
Exploration of the pedagogy of product form through exhibition & publication in process

1999 **Papa John's Pizza Brand Design** | Sponsored by Papa John's, Inc.
Co-Principal Investigator – Part of 22-member faculty/student design team to redesign entire corporate brand: architecture, product, iconography, and advertising

1993 **ImageNet/Interval Corporation** | Palo Alto, California
Hired by ImageNet to work with Interval Corporation on product development research on girls and digital gaming

1988 **Astronauts Memorial Design Competition Project** | Letter of Commendation
One of 50 projects chosen (750 entrants) for exhibition at Smithsonian Institution. One of five selected by all judges for Top 50 projects by NASA & Astronauts Memorial Foundation

1984 **Spirit of Design** | Workshop with Christopher Alexander in San Francisco
Design and construction of the **Uncommon Bench** at Fort Mason

PROFESSIONAL EXPERIENCE | Architecture & Design

- 2007 Catawba Valley Residence | Blacksburg, Virginia
2500 square foot new construction including site plan, structural and casework
- 1990-1992 Lise Matthews Architect | Venice, California
Project Architect
- 1992-1995 Linde Residential Project | Chicago, Illinois
8500 square foot high-rise interior floor plan including furniture & all millwork
- 1990-1992 Linde Residential Project | Phoenix, Arizona
6000 square foot high-rise interior floor plan including furniture & all millwork
- 1990-1991 Rapp Residential Project | Chicago, Illinois
Renovation of an historic district house including millwork and furniture
- 1988-1990 Zuber Residential Project | Paradise Valley, Arizona
Furniture design for new Antoine Predock Residence
- 1986-1990 North Carolina Residence | King, North Carolina
3000 square foot new construction including site plan and millwork
- 1985 Design Group Architects | Sedona, Arizona
Student Intern
- 1983 Design Group Architects | Sedona, Arizona
Student Intern

ACADEMIC AWARDS

- 2015 **Ut Prosim Exemplary Service Award** | School of Architecture + Design | Virginia Tech
- 2015 **Excellence in Creative Achievement Award** | School of Architecture + Design | Virginia Tech
- 2013 **Thank-A-Teacher Citations (three)** | Virginia Tech
Center for Instructional Development & Educational Research
- 2012 **William E. Wine Award for Teaching Excellence** | Virginia Tech
- 2012 **J. Stoeckel Design Studio Teaching Award** | School of Architecture + Design | Virginia Tech
- 2012 **Mapping the Invisible** | TEDx Virginia Tech
The Fields Everywhere project, selected among 20 talks for the inaugural TEDx at Virginia Tech
- 2011 **Teacher of the Week** | Virginia Tech
Center for Instructional Development & Educational Research
- 2010 **Design Excellence in Scholarship Award** | School of Architecture + Design | Virginia Tech
- 2010 **Favorite Faculty Award** | Virginia Tech
Office of Residence Life
- 2009 **Edward Singleton Diggs Teaching Scholar Award** | Virginia Tech
- 2009 **Scholar of the Week Award** | Virginia Tech
Office of the Vice President for Research
- 2008 **University Exemplary Department Award** | Virginia Tech
Honoring collaborations between the School of Architecture + Design & other disciplines across campus – *Fields Everywhere* (1 of 3 projects cited)
- 2008 **Design Educator Award** | Dell Computer
ReGeneration: International Green Computing Technology Design Competition (\$2000)
- 2007 **Phoebe's Field – Innovate 2007 Exposition** | Virginia Department of Education
Showcasing innovative technologies and products proposed for education, featuring over 65 interactive exhibits and organized around Virginia's long-range technology plan.
- 2007 **Diversity Recognition Award** | College of Architecture & Urban Studies
- 2004 **Pioneers for Women at Virginia Tech**
Recognition at the Women's Center Tenth Anniversary Gala at Virginia Tech
- 1993 **Centennial Teaching Assistantship Award** | Stanford University

GRANTS & FELLOWSHIPS

- 2015 **Form Exhibition 2015** | Internal Grant
Center for Instructional Development & Educational Research (CIDER) (\$8,100)
- 2014 **Form Exhibition 2014** | Internal Grant
Center for Instructional Development & Educational Research (CIDER) (\$8,500)
- 2013 **Kinesthetic Field** | Internal Grants
Institute for Society, Culture & the Environment (ISCE) (\$7,000)
Institute for Creativity, Arts & Technology (iCAT) (\$3,000)
Office of the Associate Vice President for University Relations (\$10,000)
- 2013 **Form Exhibition 2014** | Internal Grant
Center for Instructional Development & Educational Research (CIDER) (\$5,000)
- 2012 **Mapping the Invisible** | TEDx Virginia Tech
The Fields Everywhere project, selected among 20 talks for the inaugural TEDx at Virginia Tech
- 2012 **inFORM Exhibition - Notodden, Norway** | Instructional Enhancement Grant
Center for Instructional Development & Educational Research (CIDER) (\$3,250)
Project Leads: Professors Akshay Sharma and Martha Sullivan
- 2012 **inFORM Exhibition – Arlington, Virginia** | Instructional Enhancement Grant
Center for Instructional Development & Educational Research (CIDER) (\$3,000)
Co-principal with Professor Martha Sullivan
- 2011 **Exhibit, Catalog, & Essay: The Scholarship of Form** | Instructional Enhancement Grant
Center for Instructional Development & Educational Research (CIDER) (\$1,000)
Co-principal with Professors Akshay Sharma & Martha Sullivan
- 2009 **Fields Everywhere** | Summer Faculty Scholars Grant
Institute for Society, Culture & the Environment (\$20,000)
- 2008 **Professional Practice & Entrepreneurship Course** | Internal Grant Academic Assessment Grant
Office of Academic Assessment at Virginia Tech (\$2,000)
- 2008 **Sound Fields** | Educational Enhancement Collaboration Grant
The Arts Initiative at Virginia Tech (\$5,000)
- 2007 **Design+Science+Technology** | Virginia Tech Symposium Sponsorship (\$10,000)
Eight national and international invited lecturers, student team presentation, advisory meeting, and *Phoebe's Field* project exhibition. Sponsors: Vice President for Research, Associate Provost for Undergraduate Education; Deans (CAUS, COS, COE, CLAHS; Graduate School); Department of Engineering Education; School of Architecture + Design; and AdvanceVT
- 2007 **Studio Collaborative** | National Science Foundation (\$802,410)
Investigating and Refining the Studio Experience as a Method for Teaching Human Computer Interaction – Co-PI with K. Cennamo (PI), M. McGrath, S. Douglas, Y. Reimer, C. Brandt
- 2005 **Planning Phoebe's Field** | National Science Foundation (\$75,000) | Principal Investigator
- 2000 **interCONNECTIONS** | National Science Foundation (\$105,000) | Principal Investigator
- 1999 **Transforming Instructional Space Grant** | Office of the Provost at Virginia Tech (\$150,000)
Faculty Team: PI – Frank Weiner (Architecture), and Co-PIs – Ed Dorsa (Industrial Design), Jim Jones (Architecture), Hunter Pittman (Architecture), and Mitzi Vernon (Industrial Design). The grant was awarded to transform Cowgill Hall Room 100 into a technology-teaching classroom. The top-rated submission but not implemented due to budgetary constraints.
- 1998 **Planning a Materials Library** | Summer Faculty Fellowship (\$3,000)
Center for Excellence in Undergraduate Teaching (CEUT) | Industrial Design Program
- 1997 **Interdisciplinary Studio** | Summer Faculty Fellowship (\$3,250)
Center for Excellence in Undergraduate Teaching (CEUT) | Co-PI with Professor Richard Goff to develop an interdisciplinary studio for engineering & industrial design student

INVITED LECTURES, PRESENTATIONS, WORKSHOPS, PANELS, REVIEWS and EXHIBITIONS

- 2014 **Principles of Design** | Lecture for The Great Courses Company
- 2012 **Mapping the Invisible** from the Fields Everywhere project | TEDx Virginia Tech Speaker
Among 20 talks selected for the inaugural TEDx at Virginia Tech
- 2011 **National Science Foundation** | Panelist
Innovative Technology Experiences for Students and Teachers (ITEST) panel for The Division of Research on Learning in Formal and Informal Settings (DRL)
- 2010 **Lawrence King Publishers** | Reviewer
Design Research Book Proposal Review
- 2009 **I Speak Three Languages** | Stanford University
Invited as one of the speakers for the Alumni Symposium for the Product Realization Laboratory
- 2009 **National Collegiate Inventors & Innovators Alliance (NCIIA)** | Reviewer
Invited to review paper submissions for the 2010 Annual Conference
- 2009 **National Science Foundation** | Panelist
Innovative Technology Experiences for Students and Teachers (ITEST) panel for The Division of Research on Learning in Formal and Informal Settings (DRL)
- 2008 **National Science Foundation** | Reviewer
Pre-proposal review—single submission—for the Informal Science Education Program in the Division of Research on Learning in Formal and Informal Settings (DRL)
- 2007 **Image and Meaning Workshop 2.4** at Harvard University | Workshop
Invited to participate with the Phoebe's Field Project
- 2007 **Phoebe's Field—Innovate 2007 Exposition** | Exhibitor
Invited by the Virginia Department of Education Showcasing innovative technologies and products proposed for education, featuring over 65 interactive exhibits and organized around Virginia's long-range technology plan.
- 2006 **Museums in Transition: Emerging Technologies as Tools for Free Choice Learning** | Reviewer
Published Report by Gyroscope, Inc.
- 2006 **Faculty Discussion on Libraries of the 21st Century** | Panelist
University Libraries In-Service Day at Virginia Tech
- 2006 **National Science Foundation** | Panelist
Informal Science Education Program in the Division of Research on Learning in Formal and Informal Settings (DRL)
- 2002 **Gender & Science Digital Library (GSDL)** | Reviewer
Sponsored by the National Science Foundation to create an interactive library of K-12, higher education, women's studies, and teacher preparation resources for STEM disciplines
- 1999 **Industrial Design Excellence Awards (IDEA)** | Juror
International design competition sponsored by the Industrial Design Society of America (IDSA)

PATENTS ISSUED and PENDING

- 2013 Mobile Phone User Interface for Communication, Navigation, and Organization
Bortz, B., Cheek, C., Efird, C., Jackson, J., Lane, S., Vernon, M. (Faculty/Student Inventors)
Provisional Patent Filed April 5, 2013 (Docket No: VTIP 13-139)
- 2007 System for Demonstrating, Educating and Interaction with Fields (Fields Everywhere)
Full Utility Patent Filed, May 4, 2007. Patent Pending (Faculty/Student Inventors)
- 2004 Bookbag, No. 6,802,348 Utility Patent (Vernon as primary inventor)
- 2003 Bookbag, No. D469,605 Design Patent (Vernon as primary inventor)
- 2003 MagneWidget, No. 6,611,185 Utility Patent (Vernon as primary inventor)

ARTICLES in REFEREED JOURNALS

- 2013 Vernon, M., Sullivan, M. (2013). Form to Product: Making as Pedagogy. *Studies in Material Thinking*, 9, 16. www.materialthinking.org/papers/130.
- 2011 Brandt, C., Cennamo, K., Douglas, S., Vernon, M., McGrath, M. (2011). A theoretical framework for the studio as a learning environment. *International Journal of Technology and Design Education*. DOI10.1007/s10798-011-9181-5.
- 2011 Cennamo, K., Douglas, S., Vernon, M., Brandt, C., Scott, B., Reimer, Y., McGrath, M. (2011). Promoting creativity in the computer science design studio. *SIGCSE '11: The 42nd ACM Technical Symposium on Computer Science Education*, March 19-12, 2011, Dallas, TX.
- 2011 Cennamo, K., Brandt, C. Scott, B, Douglas, S., McGrath, M., Reimer, Y., & Vernon, M. (2011). Managing the complexity of design problems through studio-based learning. *Interdisciplinary Journal of Problem-based Learning*, 5(2), Article 5. Online publication available at: <http://docs.lib.purdue.edu/ijpbl/vol5/iss2/5>
- 2009 Vernon, M. (2009). Growing Up through Entrepreneurship: Case Studies of Student Ventures. *13th Annual Meeting of the National Collegiate Inventors & Innovators Alliance (NCIIA)*. Washington, D.C., March 2009. Author and Presenter. Online publication, available at: <http://nciia.org/conf09/papers/Vernon.pdf>
- 2007 Vernon, M., Cennamo, K., Lally, L., McGrath, M., Moulton, C. (2007). Planning Phoebe's Field: A Case Study—multidisciplinary collaboration and integrated design practices in the development of a children's science exhibition. *American Institute of Architects Case Study Initiative*. Online publication, available at <http://www.aia.org/>
- 2006 Terpenny, J. P., Goff, R.M., Vernon, M. R., and Green, W. R. (2006). Utilizing Assistive Technology Design Projects and Interdisciplinary Teams to Foster Inquiry and Learning in Engineering Design. *International Journal of Engineering Education*, 22(3):609-616.

PAPERS PRESENTED and PUBLISHED for PROFESSIONAL MEETINGS

- 2010 "The DIY Ethic of the Design Studio: Past, Present & Future" 2010 Annual Conference of the Industrial Designers Society of America. Portland, Oregon. Authors: Mitzi Vernon, Katherine Cennamo, Sarah Douglas, Margarita McGrath, and Yolanda Reimer.
- 2008 "Factors of Design Culture that Foster Innovation: A Case Study of a Multidisciplinary Student Design Team." 2008 Annual Conference of the Association of Educational Communications and Technology. Orlando, Florida. Authors and Presenters: Katherine Cennamo and Mitzi Vernon.
- 2008 "(de)Coding the Studio Method to Teach the Design of Human-Computer Interaction." Beginning Design Conference. Georgia Tech, March 2008. Authors: Margarita McGrath, Yolanda Reimer, Carol Brandt, Sarah Douglas, Katherine Cennamo. Presented by McGrath and Reimer.
- 2008 "Fostering Creativity in the Classroom: A Case Study of a Multi-disciplinary Design Project." Arizona State University. NSF Workshop: Success factors in fostering creativity in IT research and education. Arizona State University, January, 2008. Authors: Katherine Cennamo and Mitzi R. Vernon. Presented by Katherine Cennamo.
- 2007 "Planning Phoebe's Field: An Analysis of the characteristics of an effective collaborative student design project," Annual meeting of the American Educational Research Association. Co-Authors: Katherine S. Cennamo, Mitzi R. Vernon, Leigh Lally. Chicago, Illinois, April 2007.
- 2007 "The Story on Phoebe's Field: An Exhibit and Workshop on a Multidisciplinary Project to Communicate Science to Kids through Narrative-based Spatial Experiences." Narrative Practitioner International Conference, Wrexham University, United Kingdom, June 2007. Authors: Margarita McGrath and Mitzi R. Vernon. Delivered by Margarita McGrath.
- 2002 "Education Is a Non-Flat Thinking Venture." 13th Annual Conference of The Women in Engineering Programs and Advocates Network (WEPAN). San Juan, June 2002.

PAPERS PRESENTED for PROFESSIONAL MEETINGS

- 2011 Cennamo, K., Douglas, S., Vernon, M., Brandt, C., Scott, B., Reimer, Y., McGrath, M. (2011). *Promoting Creativity in the Computer Science Design Studio*. Presented at SIGCSE '11: The 42nd ACM Technical Symposium on Computer Science Education. March 12, 2011. Dallas, Texas.
- 2010 Cennamo, K., Brandt, C., Vernon, M., Scott, B., Douglas, S., McGrath, M., Reimer, Y. (2010). *The Ecology of the Design Studio Learning Environment: Identity, Participation, and Professional Practice*. Symposium presented at the American Educational Research Association annual meeting. April, 2010. Denver, Colorado.
- 2009 Brandt, C., Scott, B., Cennamo, K., Vernon, M., McGrath, M., Douglas, S., Reimer, Y. (2009). *Capturing the studio method: Using ethnography to understand space, learning, & innovation*. Paper presented at the American Educational Research Association Meeting. April 13-17. San Diego, California.
- 2008 Ermann, M., Jaramillo, A., Vernon, M., Han, J., Victor, J., Barnobi, C., Thompson, A., McDermott, M. (2008). *Acoustics, translated into the language of Architecture*. Presented to the 156th meeting of the Acoustical Society of America. November, 2008. Miami, Florida.
- 2008 Larson, M., Cennamo, K., & Vernon, M. (2008). *Knowledge, Conditions and Interactions in Studio-Based Design Education*. Paper presented at the 2008 annual conference of the Association of Educational Communications and Technology. November, 2008. Orlando, Florida.
- 2008 Vernon, M., McGrath, M. (2008). *A Chapter from Phoebe's Field: Using Narrative and Design to Communicate 'How to Think Science.'* Lecture delivered to the College of Architecture & Urban Studies Research Symposium. February, 2008. Blacksburg, Virginia.
- 2007 Vernon, M. R., and Witt, T., (2007). *Myths about Knowledge: Design Defines New Knowledge—Connecting the Virtual to the Visceral*. 2007 International Council of Societies of Industrial Design (ICSID) Conference. San Francisco, California.
- 2006 Vernon, M. (2006). *Phoebe's Field: The Interface of an Academic and Professional Collaboration*. Center for e-Design Industrial Advisory Board Meeting. November, 2006. Orlando, Florida.
- 2006 Vernon, M. (2006). *Fields Exist—Exhibiting the Invisible*. Lecture delivered to the College of Architecture & Urban Studies Research Symposium. February, 2006. Blacksburg, Virginia.
- 2006 Goff, R., Terpenny, J.P., Vernon, M.R., and Green, W.R. (2006). *Evolution of Student Perception in a Human Centered Interdisciplinary Design Project*. Paper presented at the Frontiers in Education Conference. San Diego, California.
- 2006 Ball, H., and Vernon, M. (2006). *What's in Your Toolbox: Rethinking User-Centered Research*. Industrial Designers Society of America Annual Conference Proceedings. Austin, Texas.
- 2005 Vernon, M., Terpenny, Goff, R. (2005). *A Conversation for Collaboration - A panel presentation of the evolution of a nine-year interdisciplinary design project from toys to assistive technology*. Integrations: Liberal Learning in a Diverse World. October, 2005. Fairfax, Virginia.
- 1999 Vernon, M., Witt, T. (1999). *The Measurable and the Immeasurable: A Conversation* (reader's theatre performance). International Council of Societies of Industrial Design (ICSID) Conference. September, 1999. Sydney, Australia.

RECENT MEDIA CONTRIBUTIONS

- 2015 Vernon, M. (2015). Form and its Selfless Partner, Function. *Pedagogy in Practice*, <http://www.cider.vt.edu/pip/>
- 2014 AutoDesk Faculty Showcase | June 24, 2014
<http://www.autodesk.com/education/free-software/educators-university/fusion-360-teacher-spotlight>
- 2014 Industrial Design Students Craft a Traveling Exhibition | June 15, 2014, VT Spotlight
<http://www.vt.edu/spotlight/innovation/2014-06-16-form/exhibit.html>
- 2014 FORM | Line-Plane-Solid on exhibit at Perspective Gallery | April 7, 2014
<http://www.vtnews.vt.edu/articles/2014/04/040714-dsa-formexhibit.html>

- 2013 Virginia Tech Magazine | January – Professor Profile for the Wine Award
<http://www.vtmag.vt.edu/winter13/mitzi-vernon.html>
- 2012 TEDx or YouTube: Mapping the Invisible | November 10, 2012
 The concept of fields in physics and Michael Faraday's role in its origin:
<http://tedxtalks.ted.com/video/Mapping-the-Invisible-Mitzi-Ver;TEDxVirginiaTech>
- 2012 NCR Highlights | July 5, 2012
 Article featuring the inForm Exhibition at the Virginia Tech Research Center in Arlington, Virginia:
<http://ncr.vt.edu/highlights/Highlight-070512.html>

TEACHING

Thesis Committees (Chair)

- 2011-2014 Chris Taylor, Industrial Design
 2010-2013 Stephen Lindamood, Industrial Design
 2012 Greg Mitchell, Industrial Design
 2007-2008 Benjamin Tew, Industrial Design
 2001-2002 Murphy Mungeon, Industrial Design
 1999-2000 Bonnie Johnson, Industrial Design
 1998 Lia Braaten, Industrial Design
 1998 James McLeod, Industrial Design
 1998 Jesslyn Tankel, Industrial Design
 1996-1997 Kim Peck, Architecture

Thesis Committees (Member)

- 2013-2014 Mohammed Elzamzamy, Architecture
 2010-2012 Yushi Yang, Industrial Design
 2007-2008 Leigh Lally, Design Research
 2007-2008 Dan Noonan, Architecture
 2005-2007 Clay Moulton, Industrial Design
 2005-2006 Martha Sullivan, Industrial Design

STUDENT SPECIAL ACHIEVEMENTS

2015 Outstanding Graduate Student for the College of Architecture & Urban Studies at Virginia Tech

Primary Advisor and Thesis Committee Chair to Chris Taylor.

2013 Conference of Southern Graduate Schools (CSGS) Masters Thesis Award

Greg Mitchell's master's thesis, *The Reconciliation of Art + Science* was awarded outstanding student thesis demonstrating innovative use of technology in thesis presentation.

2012 William Preston Society Master's Thesis Award

Greg Mitchell's master's thesis, *The Reconciliation of Art + Science* was selected in the category of Innovative Application of Technology in a Master's Thesis. A review committee comprised of the associate deans of research and graduate studies gave Mitchell's thesis the highest possible score. The committee noted the originality of the research, the contribution made to the research community and the preparation of the final document.

2010 LG Design The Future Competition

Student team, Chris Carpenter, James Connors, Zack Filbert, and Kees Luyendijk won grand prize of \$20,000 for their studio project entry, AL-I, a smart phone interface driven single-handedly by the thumb and rear touch pad.

2008 International Designer's Workstation Competition

Joseph Kauffman (Graduate student) and Phillip Padilla (undergraduate student) won

Third Place for their “Digital Docker” workstation, as part of a studio project led by Mitzi Vernon. They were the only United States student team to place in the competition.

2008 International Greener Gadgets Design Competition

Clay Moulton (Graduate student) won Second Place for his “Gravia LED Lamp,” which was a part of his Master’s Thesis at Virginia Tech.

2008 TEA-OFF Competition

Scott Cavanaugh (sophomore) won an Honorable Mention for design achievement in his entry, *Smart Brew*. Faculty: Martha Sullivan and Mitzi Vernon.

2007 International Juvenile Products Manufacturers Association Student Design Competition

Benjamin Tew (Graduate student) won Grand Prize for “NIPA” (nested interactive play area) entry.

COURSES TAUGHT at VIRGINIA TECH

Honors Freshman Seminar (UH 1004)

Topics in Prof Development: Portfolio (IDS 3204)

Topics in Design Competencies: Exhibit Design (IDS 3224)

Topics in Design Competencies: Seat Surface Storage (IDS 3224)

Industrial Design Laboratory II (IDS 2015)

Industrial Design Laboratory II (IDS 2016)

Human Factors (IDS 2044)

Design Research (IDS 3514)

Allied Design Laboratory (ARCH 2014)

Materials and Processes Laboratory (IDS 2024)

Topics in Industrial Design: Portfolio (IDS 4304)

Honors Design Workshop (UH 3004)

Industrial Design Laboratory IV (IDS 4415)

Industrial Design Laboratory IV (IDS 4416)

Professional Practice & Entrepreneurship (IDS 4044)

IDS Special Study: Phoebe’s Field Exhibit Concepts and Realization (IDS 4984 and 5984)

IDS Special Study: Phoebe’s Field Exhibit Concepts and Evaluation (IDS 4984 and 5984)

IDS Special Study: Design+Science+Technology (IDS 4984 and 5984)

Industrial Design Laboratory III (IDS 3035)

Industrial Design Laboratory III (IDS 3036)

OUTREACH and PROFESSIONAL SERVICE

2015 Invited Juror for the Institute for Creativity, Arts & Technology (iCAT)-Virginia Governor’s School Maker Conference

2013 Speaker for Southwest Virginia Governor’s School for Science, Mathematics, & Technology

2011 External Reviewer for Promotion & Tenure | North Carolina State University

2011 External Reviewer for Promotion & Tenure | Georgia Tech

2008 External Reviewer for Promotion & Tenure | Carnegie Mellon University

2008 Invited Guest Lecturer for Workshop on Ethics in Science for Research Experiences for Undergraduates (REU) interns at Virginia Bioinformatics Institute.

2005 Invited Guest Lecturer at Concord College Math & Science Upward Bound (MSub) MSub is a TRIO program funded by the U.S. Department of Education.

2003 Mentorship Program with Southwest Virginia Governor’s School.

UNIVERSITY SERVICE

- 2014-2016 Chair & Chair-Elect, Academy of Teaching Excellence
- 2015 Member of Faculty Senate Task Force | Ombuds Center for Virginia Tech Proposal
- 2013 TEDx Virginia Tech 2013 Stage Design Subcommittee
- 2013-2016 William E. Wine Award Committee
- 2012-2015 Academy of Teaching Excellence (Alumni Teaching Award Committee)
- 2012-2013 Faculty Search Committee (Rhetoric & Writing) for Department of English
- 2011-2013 Faculty Search Committee (Sculpture) for School of Visual Art
- 2011 Administrative Review Committee for Dean of CAUS
- 2010-2011 University Curriculum Committee for Liberal Education
- 2010 Faculty Review Committee for Associate Director search – CIDER
- 2009-2010 Member of the Task Force on the Evaluation of Teaching
- 2009 Speaker for the Promotion to Professor Workshop (Office of the Provost & AdvanceVT)
- 2008 — Member of the Reconciliation Committee
- 2007-2008 Chair, Faculty Ethics Committee
- 2006-2009 University Honorifics Committee
- 2005-2007 Member of Faculty Ethics Committee
- 2003-2005 Member of University Promotion and Tenure Committee
- 2002 Marshal for Spring Commencement (Graduate, Undergraduate and NoVA Campus)
- 2002 Member of the Commencement Committee
- 2002 Ad Hoc Committee on University Intellectual Property Policy, Chair
- 2002-2003 Member of the Reconciliation Committee
- 2002 Member of the Conflict of Commitment Committee
- 2001-2008 VT STEM K-12 Outreach Initiative, Charter Member
- 2000-2003 Board Member of Virginia Tech Intellectual Properties (VTIP)
- 2001 Member of the Strategic Planning Commission
- 2001 Member of the External Awards and Tributes Committee
- 2001 Member of the University Advisory Council on Strategic Budgeting and Planning
- 2001 Member of the Multicultural Affairs Executive Board
- 2000-2001 Member of the Search Committee for University Provost
- 1997-2001 Virginia Tech Design Consortium
- 2000 Processional Member for Founders Day
- 2000 Marshal for Fall Convocation
- 1999-2003 Member of University Council
- 1999-2001 President & Vice President, Faculty Senate
- 1999-2000 Chair, Commission on Faculty Affairs

COLLEGE SERVICE

- 2011-2014 CAUS 50th Anniversary Celebration Steering Committee
 - Lead: CAUS 50th Photography Journal
 - Lead: web design development for Icon Competition and competition post card
 - Subcommittees: competition brief, jury visit and lecture series; icon guidelines; memorial collateral (photography book); emeritus exhibition
- 2013 Introduction to Special Screening of film, *Design & Thinking* (for School of Visual Art)
- 2012 Woodshop Craftsman Search Committee
- 2006-2010 College Curriculum Committee
- 2000-2004 CAUS Shop Coordinator
- 1999-2004 International Archive of Women in Architecture (IAWA)
- 2003 College Promotion and Tenure Committee (observer)

- 2003 Europe Summer Travel Program
- 2001 Europe Travel Program

DEPARTMENTAL SERVICE

- 2015 Faculty Search Committee (Industrial Design)
- 2010-2014 Peer Review (Promotion & Tenure) Committee | Chair 2013-2014, 2011-2012
- 2013 Pella Architectural Prize for Undergraduates | Juror
- 2011-2013 Overseeing Design & Development of Industrial Design Program website
Kees Luyendijk (graduate of the industrial design program) programmed original site
- 2011 Faculty Search Committee (Industrial Design)
- 2009 Administrative Review Committee for Chair of Interior Design
- 2008 Faculty Search Committee (Architecture & Interior Design)
- 2003 Peer Review Committee
- 1997 Faculty Search Committee (Industrial Design)

RECENT FACULTY DEVELOPMENT & SCHOLARSHIP

- 2014-2015 **Principles of Design** Course Development | The Great Courses
FORM: Line-Plane-Solid | Book Proposal & Exhibit Travel
Phoebe's Field | Book Completion
- 2013 **Awakening the Digital Imagination** | September 19– December 5
New Media Faculty-Staff Seminar sponsored by Networked Learning Initiatives (NLI):
Weekly seminar with text, *The New Media Reader*. <http://blogs.lt.vt.edu/f13nmfs/>
- 2013 **The Art of the Story** | May 16-19, New York City
Writing workshop directed by author and editor, Tom Jenks of Narrative Magazine:
Selected (with 11 others) through writing submission process and interview, November 2012 – March 2013. Book chapters submitted for workshop review.