

Professional Vita

1. Richard D. Seymour, Ed.D.
2. Associate Professor, Department of Technology (Appointment 1990-2017), in Teachers College / Dept. of FCTE and Dept. of Educational Studies (2017-present)

Interim Chair, Department of Educational Studies (Academic Year 2019-2020) and elected as Department Chair for AYs 2020-2023

3. Education

Doctorate in Education, 1990, West Virginia University
Technology Education

Master of Arts, 1982, Ball State University
Industrial Education

B.S. in Education, 1978, The Ohio State University
Industrial Technology Education

4. Masters & Doctoral Committees

Committee member for a Teachers College doctoral committee for Gandzhina Dustova, 2021-present

Committee member for a Teachers College doctoral committee for Michelle Riechart, 2016-2019

External committee member for a Teachers College doctoral committee for Candis Haskell, 2012-2015 and graduated 2015

Served as departmental committee member for Masters candidate Craig Harvey, 2014

Served as the sponsor for the Graduate project for Brian Hunt, 2012

External member, Creative Project committee for Gary Birk (FCS & Art) who completed all work Summer 2011

External member, doctoral committee for Jeanne McMillan (Special Education / Early Childhood) who graduated Spring 2011

5. Scholarly Productivity: Research, Creative Endeavors, Professional Development

Refereed articles

Samuels, K. and Seymour, R. (2015) "The Middle School Curriculum: Engineering Anyone?", *Technology & Engineering Teacher*, 74(6), 8-12

Seymour, R. (2003). "Sharing Technology-Based Activity Ideas With Others". *The Technology Teacher*, Volume 63 (1), 7-10.

Seymour, R. (1988). Inspection in the enterprise program. *Manufacturing forum*, (12)2, 10-17.

Seymour, R. (1987). What makes for a good production run. *Manufacturing forum*, (12)1, 14-19.

Seymour, R. (1984). What is an induction / training program? *Manufacturing forum*, 8(3), 7-10.

Conference proceedings

"Impacts of Technology: Computer Applications", pp. 69-74, *Technology Education Symposium XIII*, Indiana State University, Terre Haute, IN, October 1991

Non-referred articles

Markert, L.R., Merrill, C., Reeve, E., & Seymour, R. (Dec 2012 / Jan 2013). "The Future of Technology and Engineering Education", *Technology and Engineering Teacher*, 72(4), 35-42.

Seymour, R.D. (2006). "Illustrating Technological Progress". *Technology Education Report*, Volume 15(1), pages 13-14.

Seymour, R. (2004). "Construction Technology / Parts Of A Structure". *Humans Innovating Technology Series (HITS)*, published by the International Technology Education Association. Reston, VA. (Fall 2004)

Seymour, R. (2003). "Manufacturing Enterprises and Marketing". *Humans Innovating Technology Series (HITS)*, published by the International Technology Education Association. Reston, VA. HITS Volume 3, No.2

Seymour, R. (2003). "Transportation Processes". *Humans Innovating Technology Series (HITS)*, published by the International Technology Education Association. Reston, VA. HITS Volume 3, No.2

Seymour, R. (2002). "Changes in Technology Teacher Preparation". *Technology Education Report (Volume 14, Issue 1)*. Muncie, IN: Technology Educators of Indiana.

Seymour, R. (2002). "Design Requirements". *Kids Inventing Technology Series (KITS)*, published by the International Technology Education Association. Reston, VA. KITS Volume 2, No.2

Seymour, R. (2002). "Technology and Ecosystems". *Humans Innovating Technology Series (HITS)*, published by the International Technology Education Association. Reston, VA. HITS Volume 2, No.1

Seymour, R. (2002). "Technology and Human Needs". Humans Innovating Technology Series (HITS), published by the International Technology Education Association. Reston, VA. HITS Volume 2, No.1

Seymour, R. (2002). "Technological Impacts". Humans Innovating Technology Series (HITS), published by the International Technology Education Association. Reston, VA. HITS Volume 2, No.1

Seymour, R. (2002). "Technological Influence On History". Humans Innovating Technology Series (HITS), published by the International Technology Education Association. Reston, VA. HITS Volume 2, No.1

Seymour, R. (2001). Technology and the environment. *Humans Innovating Technology Series (HITS)*, published by the International Technology Education Association. Reston, VA. HITS Volume 1, No.1

Seymour, R. (2001). Technology transfer. *Humans Innovating Technology Series (HITS)*, published by the International Technology Education Association. Reston, VA. HITS Volume 1, No.1

Seymour, R (2001). "Technology and the Environment". Humans Innovating Technology Series (HITS), published by the International Technology Education Association. Reston, VA. HITS Volume 1, No.1

Seymour, R (2001). "Technology Transfer". Humans Innovating Technology Series (HITS), published by the International Technology Education Association. Reston, VA. HITS Volume 1, No.1

Seymour, R (2001). "What Is A System?". Humans Innovating Technology Series (HITS), published by the International Technology Education Association. Reston, VA. HITS Volume 1, No.1

Seymour, R. (2001). What is a system?". Humans Innovating Technology Series (HITS), published by the International Technology Education Association. Reston, VA. HITS Volume 1, No.1

Seymour, R. (1999). International Technology Education Association. *Space transportation* (Curriculum Brief Series). Reston, VA: Author.

Seymour, R.. (Fall 1996). State Conference '96, *The Journal of the Technology Educators of Indiana, Volume 9*

Seymour, R. (Winter 1996). How embarrassing, *Technology Education Report, Issue 8, Volume 2*

Seymour, R. (Fall 1995). Your role outside the classroom yet within the school system, *Technology Education Report, Issue 8, Volume 1*

Seymour, R. (Fall 1995). Technology for all Americans, *The Journal of the Technology Educators of Indiana, Volume 8*

Seymour, R. (Fall 1995). President's message, *The Journal of the Technology Educators of Indiana, Volume 8*

Book, chapters in books

Best Practices: State Supervisor (pgs 9-10), Advocacy (pgs 16-17), and TECA Advisor (pgs 18-19), in "Best Practices in Technology Education" (Martin & Martin, eds.). (2006). Glen Ellyn, IL: Technical Foundation of America.

Indiana High School Curriculum Guide for Transportation Systems (ed.). (2006). Indianapolis, IN: Indiana Dept. of Education.

Indiana High School Curriculum Guide for Communication Systems (ed.). (2005). Indianapolis, IN: Indiana Dept. of Education.

Technology / Indiana Middle School & Junior High School Course Guide (ed.). (2004). Indianapolis, IN: Indiana Dept. of Education.

Chapter 3 / "Ethics and the Design and Development of Technological Systems" and Chapter 7 / "Ethics and the Study of the Designed World", chapter co-author, in *Ethics For A Citizenship In A Technological World* (R. B. Hill, ed.), 53rd Yearbook of the Council on Technology Teacher Education, 2004.

Indiana Technology Education Course Descriptions Guide (ed.). (2002). Indianapolis, IN: Indiana Dept. of Education.

Technology Education Content Standards (ed.). (2002). Indianapolis, IN: Indiana Dept. of Education.

Seymour, R. (2000). Do we teach technology? Yes, but we also teach kids! (Essay 33). In *Technology education for the 21st Century* (49th annual publication of the Council on Technology Teacher Education), 201-206.

Fundamentals of engineering (Applications level course guide in the Indiana Technology Education Curriculum). (2002). Indianapolis, IN: Author (R. Seymour, Editor).

Technology enterprise (Applications level course guide in the Indiana Technology Education Curriculum). (2002). Indianapolis, IN: Author (R. Seymour, Editor).

Technology & society (Applications level course guide in the Indiana Technology Education Curriculum). (2002) Indianapolis, IN: Author (R. Seymour, Editor).

Technology systems (Applications level course guide in the Indiana Technology Education Curriculum). (2002). Indianapolis, IN: Author (R. Seymour, Editor).

Program Support Materials Handbook (Indiana Technology Education Curriculum notebook of program handouts). (2000). Indianapolis, IN: Author (R. Seymour, Editor).

Seymour, R., Ritz, J., & Cloghessy, F. (2000). Exploring communication (Revised edition). Tinley Park, IL: Goodheart-Willcox, Inc.

Seymour, R. (2000). Instructor's manual for exploring communication (Revised edition). Tinley Park, IL: Goodheart-Willcox, Inc.

Seymour, R. (1995). Manufacturing technology education (Chapter 9). In Foundations of technology education (CTTE Yearbook, 44th Edition). Peoria, IL: Glencoe/ McGraw-Hill Publishing

Seymour, R. (1993). Analysis and synthesis of manufacturing education approaches (Chapter 9). In Manufacturing in technology education (CTTE Yearbook, 42nd Edition). Peoria, IL: Glencoe / Macmillian (McGraw-Hill)

Seymour, R. & Shackelford, R. (Co-Editors). (1993). Manufacturing in technology education (CTTE Yearbook, 42nd Edition). Peoria, IL: Glencoe / Macmillian (McGraw-Hill)

Seymour, R. (1990). Conceptual models for communication technology education programs at the high school level (Chapter 5). In Communication technology education (CTTE Yearbook, 39th Edition). Peoria, IL: Glencoe Division of Macmillian/McGraw-Hill

Seymour, R., Ritz, J., & Cloghessy, F.. (1987) Exploring communications. South Holland, IL: Goodheart-Willcox, Inc.

Seymour, R.. (1987) Instructor's manual to exploring communications. South Holland, IL: Goodheart-Willcox, Inc.

Seymour, R. (1987). A model of the technical research process (Chapter 3). Conducting technical research (CTTE Yearbook, 36th Edition). Bloomington, IL: Bennett & McKnight.

Papers and / or lectures within the discipline

Referred

“Cardboard Engineering”, referred presentation, annual conference of the Illinois Technology Education Association, Normal, IL, October 2021

“Pre-Service Teacher Education Experiences With STEM Pedagogy”, referred virtual presentation, co-presenter with Dr. Krista Stith, annual

conference of the International Technology and Engineering Educators Association (ITEEA), Denver, CO, March 2021

“Developing Rubrics That Enhance STEM-Base Instruction”, referred virtual presentation, annual conference of the International Technology and Engineering Educators Association (ITEEA), Denver, CO, March 2021

“Improving Design Efforts Via Cardboard Engineering”, referred presentation, conference of the International Technology and Engineering Educators Association (ITEEA), Baltimore, MD, March 2020

“STEM-Based Lessons Require Revised Evaluation Schemes”, referred presentation, annual conference of the International Technology and Engineering Educators Association (ITEEA), Kansas City, MO, March 2019

“Covering The 20 TFAA Standards In One Class”, referred presentation, annual conference of the International Technology and Engineering Educators Association (ITEEA), Atlanta, GA, April 2018

“Don’t Just ‘Do’ Design; Rather, Teach Design Techniques Via Gender-Neutral Activities”, referred presentation, annual conference of the Illinois Technology Education Association, Normal, IL, November 2017

“Teaching Design Using Gender-Neutral Assignments”, referred presentation, annual conference of the International Technology and Engineering Educators Association (ITEEA), Dallas, TX, March 2017

“Changing Existing Laboratory-based Activities To Feature STEM Concepts”, referred presentation, Annual State Conference of the Engineering / Technology Educators of Indiana (E/TEI), Indianapolis, IN, September 2016

“Documentation of Construction Work Sites”, referred presentation, annual ITEC conference of the Technology Education Association of Illinois, Bloomington, IL, October 2015

“Integrating STEM Into Existing Laboratory-Based Activities”, refereed presentation, 78th annual conference of the International Technology & Engineering Educators Association, Milwaukee, WI, March 2015

“Packaging As A STEM Topic”, refereed presentation (2 presentations), annual STEM conference of the Technology Education Association of Pennsylvania, Camp Hill, PA, November 2014

“Using On-line Resources To Support Instruction In Technology Education and Engineering Programs”, presenter, Annual State Conference of the

Engineering / Technology Educators of Indiana, Indianapolis, IN,
September 2014

“How Packaging Can Help Promote STEM Concepts”, refereed presentation, 77th annual conference of the International Technology & Engineering Educators Association, Orlando, FL, March 2014

“Using Competitive Events To Enhance Instruction”, refereed presentation, 75th annual conference of the International Technology & Engineering Educators Association, Columbus, OH, March 2013

“How On-line Teaching Enhances Face-to-Face Instruction”, CTTE program presentation, 74th annual conference of the International Technology & Engineering Educators Association, Long Beach, CA, March 2012

“Intermodal Technology: New Content For Transportation Systems”, presentation, 73rd annual conference of the International Technology & Engineering Educators Association, Minneapolis, MN, March 2011

“Comparing Technology-based Facility Guidelines From Various States”, CTTE poster session presentation, 72nd annual conference of the International Technology & Engineering Educators Association, Charlotte, NC, March 2010

“Engineering Aspects When Teaching Communication & Information Technology”, presenter, 71st annual conference of the International Technology Education Association, Louisville, KY, March 2009.

“Promoting Manufacturing In The Elementary Grades”, presenter, 70th annual conference of the International Technology Education Association, Salt Lake City, UT, February 2008

“The Formula For Success in Technology Education”, presenter, Annual Conference of the International Technology Education Assoc., San Antonio, TX, March 2007

“Adding Engineering To Design And Problem Solving Activities”, presenter, 2001 Annual Conference of the International Technology Education Association, Atlanta, GA, March 2001

“Design Techniques for Technology Education Majors”, presenter, 2000 Annual Conference of the International Technology Education Association, Salt Lake City, UT, April 2000

“Developing Design Techniques”, presenter, 1999 Illinois Technology Education Conference, Peoria, IL, November 1999

“Don't Just Do Problem Solving, Teach Problem Solving!”, presenter, 1998 Illinois Technology Education Conference, Peoria, IL, Nov. 1998

“Using Simulation Software to Introduce Technological Consequences”, presenter, annual conference of the International Technology Education Association (ITEA), Phoenix, AZ, March/April 1996

“Creative Problem Solving”, presenter, annual conference of the Ohio Technology Education Association, Columbus, OH, March 1996

“Addressing Our Global Marketplace With A Technological Enterprise”, presenter, annual conference of the International Technology Education Association (ITEA), Nashville, TN, March 1995

“Integrating Math, Science, and Technology Concepts to Address Technological Problems and Opportunities”, co-presenter with Dr. Jack Wescott, Association for Supervision and Curriculum Development (ASCD), New Orleans, April 1992

“Evaluation in Technology-based Courses”, presenter, International Technology Education Association Annual Convention, Minneapolis, March 1992

“Developing Facilities for a Technology-based Curriculum”, presenter, 1991 International Technology Education Association International Convention, Salt Lake City, UT, April 1991

“Developing Student Clubs to Support a Contemporary Technology Curriculum”, “Presenting and Publishing: Tips for Teachers, New Faculty, and Doctoral Students”, and “The Emphasis On Teaching Students”, co-presenter, 1990 International Technology Education Association Annual Convention, Indianapolis, IN, April 1990

“Designing Technology Education Coursework to Enhance Student Creative Problem Solving Skills”, presentation, International Technology Education Association Convention, Dallas, TX, March 1989

“Advanced Manufacturing Courses for High School Technology Education Programs”, presentation, annual convention of the International Technology Education Association Convention, Norfolk, VA, March 1988

“Conducting Technology Education In-Service Training Programs”, co-presenter with Dr. Ray Shackelford, 1987 International Technology Education Association Convention, Tulsa, OK, March 1987

“Developing Technology Education Activities”, co-presenter, annual conference of the International Technology Education Association, Kansas City, MO, March 1986

Invited

“Introducing STEM Pedagogy & PLTW’s Launch Program To Elementary Pre-Service Majors, co-presenter with Dr. Krista Stith, PLTW Summit Conference, Indianapolis, IN, February 2020

“Integrating STEM Into Existing Laboratory-based Activities”, presenter, Hoosier STEM Academy Summer Conference, Muncie, IN, June 2019

“How Today’s Leaders Can Build on the Legacy of the Pioneers in the Profession”, FTEE / Maley Spirit of Excellence breakfast presentation, annual conference of the International Technology and Engineering Educators Association (ITEEA), Atlanta, GA, April 2018

“Teacher Recruitment in Engineering and Technology”, co-presenter in a panel discussion for the I-STEM PreK-12 Administrators Strand, annual conference of the International Technology and Engineering Educators Association (ITEEA), Atlanta, GA, April 2018

“Programs In The Dept. of Technology”, presenter, Delta High School, Muncie, IN, November 2015, November 2014, & October 2013

“The Nature Of Technology Teacher Education”, presenter, Alpha Chapter of Epsilon Pi, Columbus, OH, May 2009

“The Status Of Technology Teacher Education Programs In The U.S.”, presenter, Mississippi Valley Technology Teacher Education Conference, St. Louis, MO, November 2008

“The Role of Competitive Events in Technology Education”, presenter, Mississippi Valley Technology Teacher Education Conference, Chicago, IL, November 2007

“New Engineering & Technology Education Teacher's Boot Camp”, co-presenter, 2007 Indiana Association of Career / Technical Education Conference, Indianapolis, IN, September 2007

“Assessing Student Performance: Tests and Other Methods”, panelist, Technology Enhanced Teaching In Distance Education conference, Ball State University, Muncie, February 2007

“ITEA Boot Camp”, workshop presenter, Annual Conference of the International Technology Education Assoc., Baltimore, MD, March 2006

“ITEA Boot Camp”, workshop presenter, Annual Conference of the International Technology Education Assoc., Kansas City, MO, April 2005

“Technology Education Curriculum Materials For Indiana's Public Schools”, co-presenter, TEI District #11 meeting in Corydon, IN, January 2005

“Packaging Design & Construction”, workshop presenter, 2004 State Convention of the Technology Educators of Indiana (TEI), Jasper, IN, November 2004

“Technology Education In Indiana's Public Schools”, presenter, 2004 Indiana Legislature / Interim Study Committee On Technology Issues, Summer session in Muncie, IN, August 2004

“Technology-based Programs Of Study At Ball State University”, presenter, Career Day Program, Yorktown Middle School, Yorktown, IN, April 2004

“ITEA Boot Camp”, workshop presenter, Annual Conference of the International Technology Education Assoc., Albuquerque, NM, March 2004

“ITEA Boot Camp”, workshop presenter, 2003 Annual Conference of the International Technology Education Association, Nashville, TN, March 2003

“Indiana Technology Education Curriculum Courses & Program Materials”, presenter, Tech Prep Region 12 Workshop, Batesville, IN, December 2002

“Manufacturing Enterprise Education”, presenter, Indiana Business Modernization and Technology Corporation (BMT) Fall Meeting, Ball State University, Muncie, IN, October 2002

“Production in Technology Education”, workshop presenter, Technology Teacher Enhancement Program, University of Southern Maine, Gorham, ME, October 2002

“Sports & Technology”, workshop presenter, 2002 Annual Conference of the International Technology Education Association, Columbus, OH, March 2002

“The National Standards & The Indiana Technology Education Curriculum Materials”, co-presenter, Indiana State University – Annual Leadership Conference, Terre Haute, IN, February 2002

“Revisions to the State Curriculum Courses & Program Materials”, presenter, Indiana DOE Curriculum Workshop, Columbus, IN, November 2001

“Production in Technology Education”, workshop presenter, Technology Teacher Enhancement Program, University of Southern Maine, Gorham, ME, October 2001

“Using Competitive Events To Enhance Technology Teacher Programs”, presenter, CTTE Carousel Program at the 2001 Annual Conference of the International Technology Education Association, Atlanta, GA, March 2001

“Production In Technology Education”, workshop presenter, Technology Education Enhancement Center, Gorham, ME, October 2001

“Implementing The Standards In Technology Teacher Education”, presenter, Issues in Technology Education Workshop, Provo, UT, March 2001

“Manufacturing Enterprise Education”, presenter, Technology Education Workshop, School District of Palm Beach County, West Palm Beach, FL, August 2000

“Technology Education: State of the States”, co-presenter, 2000 Industrial Technology Education Leadership Conference, Indiana State University, Terre Haute, IN, February 2000

“Technology Education: The New Basic”, presenter, Spring Conference, Indiana Association for Supervision and Curriculum Development, Indianapolis, IN, Spring 1999

“Manufacturing In Technology Education”, workshop presenter, Technology Education Enhancement Center, New Britain, CT, February 1999

“Resources That Help Introduce Technology in Today’s Schools”, presenter, Indiana Media Educators Association (AIME) Annual Conference, Indianapolis, IN, October 1998

“Manufacturing In Technology Education”, workshop presenter, Technology Education Enhancement Center, New Britain, CT, February 1998

“Pride, Passion, Performance”, speaker at the annual initiation of the Alpha Chapter of Epsilon Pi Tau Honorary, Technology Education Program, The Ohio State University, Columbus, OH, May 1997

“Computer Animation”, workshop presenter, annual conference of the Technology Educators of Indiana, Nashville, IN, April 1997

“Use of the Internet in Communication Technology Classes”, co-presenter, ITEA Communication Section Session, held in conjunction with the annual conference of the International Technology Education Association (ITEA), Tampa, FL, March 1997

“Technology Teacher Preparation Programs”, co-presenter, CTTE workshop on Rethinking Teacher Preparation, held in conjunction with the annual conference of the International Technology Education Association (ITEA), Tampa, FL, March 1997

“Planning For Change”, co-presenter, pre-conference workshop at the annual conference of the International Technology Education Association (ITEA), Tampa, FL, March 1997

“Manufacturing In Technology Education”, workshop presenter, Technology Education Enhancement Center, New Britain, CT, February 1997

“Manufacturing In Technology Education”, workshop presenter, Technology Education Enhancement Center, New Britain, CT, February 1996

“Quality Components of Successful Undergraduate Teacher Education Programs”, Technology Education Issues Symposium, Maui, HI, June 1996

“Introducing Problem Solving Through Competitive Activities”, workshop co-presenter, annual conference of the International Technology Education Association (ITEA), Phoenix, AZ, March/April 1996

“Introducing Problem Solving Through Competitive Activities”, workshop co-presenter, annual conference of the International Technology Education Association (ITEA), Nashville, TN, March 1995

“Recruiting The Next Generation Of Technology Education”, presenter, CTTE program at the annual conference of the International Technology Education Association (ITEA), Nashville, TN, March 1995

“Technology Education: A New Paradigm”, presentation, Dept. of Education's Workplace Readiness Conference, Agana, Guam, May 1994

“Technology Education in a Global Society”, presenter, Workplace Readiness Workshop (a hands-on session for both Elementary and Secondary Educators), Guam Dept. of Education, Agana, GUAM, May 1994

“Implementing Manufacturing Content and Activities”, Teacher Enhancement Center, Central Connecticut State Univ., New Britain, CT, February 1994

“Implementing Production Content and Activities”, Technology Teacher Enhancement Center / Revitalization Workshop, Central Connecticut State Univ., New Britain, CT, March 1992

“Communication Courses in the Indiana Industrial Technology Education Curriculum”, Indiana Bell Northern and Southern District Meetings, June 1990

“Designing Instructional Strategies for Technology Education Programs”, presentation, CTTE Revitalization Workshop (held in conjunction with the 1990 International Technology Education Association Annual Convention), Indianapolis, IN, April 1990

“Designing Instructional Strategies for Technology Education Programs”, presentation, CTTE Revitalization Workshop (held in conjunction with the Colorado & Rocky Mountain States Conference), Denver, CO, Nov. 1989

“Designing Instructional Strategies for Technology Education Programs”, presentation, CTTE Revitalization Workshop (held in conjunction with the 1989 International Technology Education Association Annual Convention), Dallas, TX, March 1989

“Contemporary Technology Education Activities”, presentation, Industrial Education Spring Conference, Iowa State University, Ames, IA, April 1988

“Developing Technology Education Activities”, co-presenter, Technology Education of Pennsylvania / State Conference, Harrisburg, PA, November 1986

Non-referred

“Engineering & Technology Education Curriculum Updates”, co-presenter, State Conference of the Engineering / Technology Educators of Indiana, Indianapolis, IN, September 2013

“Engineering & Technology Education Updates”, co-presenter, State Conference of the Engineering / Technology Educators of Indiana, Indianapolis, IN, October 2012

“Engineering & Technology Education Updates”, presenter, State Conference of the Engineering / Technology Educators of Indiana, Indianapolis, IN, September 2010

“Math-based Activities To Teach Transportation”, presenter, annual Illinois Technology Education Conference, Peoria, IL, November 2009

“Creating Competitive Events For Your Classroom”, presenter, Engineering / Technology Educators of Indiana State Conference, Indianapolis, IN, November 2009

“Manufacturing In Technology Education”, banquet speaker, and "Resources For Teaching Manufacturing" workshop presenter, Georgia Engineering / Technology Education Conference, Conyers, GA, October 2007

“Providing Manufacturing Experiences for Elementary Aged Students”, presenter, 75th Conference of the Technology Educators of Indiana, Lafayette, IN, November 2006

“Transition From Analog To Digital Broadcasting”, speaker, 55 Alive / Gethsemane United Methodist Church, Muncie, July 2008

“The Transition To Digital TV”, speaker, Prime Timers / College Avenue United Methodist Church, Muncie, February 2008

“Inventions of the 21st Century”, seminar speaker, Community Center for Vital Aging, Muncie, January 2008

“How To Champion The Study Of Technology In The Elementary Grades”, presenter, Annual Illinois Technology Education Conference, Peoria, IL, November 2004

“Preparing Master's Level Courses For On-line Delivery”, co-presenter along with Dr. Ray Shackelford, CTTE conference program held in conjunction with the Annual ITEA Convention, Albuquerque, NM, March 2004

“Undergraduate Technology Education: Philosophy, Facilities, and Foundation”, co-presenter along with Dr. Jack Wescott plus Illinois State and Millersville University faculty, CTTE conference program held in conjunction with the Annual ITEA Convention, Nashville, TN, March 2003

“Developing Design Briefs”, presenter, Illinois Technology Education State Conference, Peoria, IL, November 2002

“Indiana Technology Education Curriculum / Up-date Of Program Materials”, presenter, Indiana Dept. of Education Workshop, held in conjunction with the Technology Educators of Indiana State Conference, Columbus, IN, October 2002

“Indiana Technology Education Program” and “Teaching Communication Technology”, presenter, Indiana DOE Curriculum Workshop, Greenfield, IN, June 2000

“An Introduction to Technology Education Program for Indiana’s Schools”, presenter, Muncie Public Schools, Muncie, IN, October 1999

“Indiana Technology Education Program” presenter, Indiana DOE Curriculum Workshop, Corydon, IN, June 1998

“1997 Technology Education Tour In The United Kingdom”, co-presenter, annual conference of the Technology Educators of Indiana, Ft. Wayne, IN, March 1998

“Do We Really Teach Problem Solving?”, presenter, 55th Annual Four States Regional Technology Conference, Pittsburg, KS, November 1997

“Transportation Activities for the Tech. Ed. Classroom”, session presenter, 44th Annual Technology Education Conference at the University of Wisconsin–Stout, Menomonie, WI, October 1997

“Indiana Technology Education Program and “Instruction Strategies In Technology Education”, presenter, Indiana DOE Curriculum Workshop, New Haven, IN, June 1997

“Introducing Technology Education At K-6 Level”, presenter, annual Four States Conference, Pittsburg, KS, November 1995

“The Indiana Technology Education Program Rationale and Structure”, Dearborn County School Corporation, Aurora, IN, October 1995

“Technological Enterprises: What, Why, & How”, presenter, annual conference of the Technology Educators of Indiana (TEI), Indianapolis, IN, March 1995

“Hands-on Transportation Activities for Secondary Programs”, presentation, annual conference of the Technology Education Association of Pennsylvania, Harrisburg, PA, November 1994

“Problem Solving In Technology Education”, workshop co-presenter, annual conference of the Technology Educators of Indiana (TEI), Fort Wayne, IN, April 1994

“Middle School Technology Education Activities”, workshop, annual conference of the Technology Educators of Indiana (TEI), Fort Wayne, IN, April 1994

“Technology Activities: A Hands On Experience”, presenter, annual conference of the Technology Educators of Indiana (TEI), Fort Wayne, IN, March 1993

“Covering The Impacts Of Technology” and “Manufacturing Tooling and Inspection Gage Design”, presenter, IITEA / Next Step '92 Conference, Rossville, IN, July 1992

“Secondary-level Activities in Manufacturing Education”, presenter, Michigan Industrial and Technology Education Society, Grand Rapids, MI, May 1991

Grants

Title: Promoting Science and Technology Professions Among H.S. Females
Sponsor: Discovery Group
Principal Investigator: Richard Seymour
Co-principal Investigator: Courtney Williams
Amount: \$16,803.00 (Internal, Competitive – not funded Fall 2011)

Title: PLTW implementation grant to Department of Workforce Development, Indianapolis, IN, to support the affiliation process with the nationally-recognized Project Lead The Way program
\$ 19,320.00 (not funded, Summer / Fall 2007)

Title: Submitted a grant to Society of Manufacturing Engineers for sponsorship of the Live Manufacturing Competition (for collegiate students)
\$ 2,000.00 (not funded, Fall 2006)

Title: Renewal for TECA Communication Contest sponsorship (funding from McGraw-Hill Higher Education through the Office of Contracts & Grants)

McGraw Hill Higher Education Publishing Company
\$ 400.00 (not funded, June 2006)

Title: PITSCO / TECA Problem Solving Contest

Agency: PITSCO, Inc.

Amount: Total of \$3,200.00 (annual renewal of this TECA contest grant, funded each year 1994-2007 at the \$400.00 level)

Principal investigator: Richard Seymour

Title: Kelvin Technologies / TECA Transportation Contest

Agency: Kelvin Technologies, Inc.

Amount: Total of \$3,180.00 (annual renewal of this TECA contest grant, funded each year 1994-2007 at the \$300.00 or \$360.00 levels)

Principal investigator: Richard Seymour

Title: SME / TECA Line Manufacturing Contest

Agency: Society of Manufacturing Engineers (SME)

Amount: Total of \$20,000.00 (annual renewal of this TECA contest grant, funded each year since 1994-2004, except 2003, at the \$2000.00 level)

Principal investigator: Richard Seymour

Title: Glencoe McGraw Hill / TECA Communication Contest

Agency: Glencoe McGraw Hill Publishing Company

Amount: Total of \$3,600.00 (annual renewal of this TECA contest grant, funded each year since 1994 at the \$400.00 level)

Principal investigator: Richard Seymour

Title: Millennium Scholars Proposal

Agency: Technical Foundation of America

Amount: \$22,000

Not Funded (Fall 1999)

Principal investigator: Richard Seymour

Title: Developing a Secondary-level Manufacturing Education Program

Agency: National Center for Manufacturing Sciences

Amount: \$49,950 & \$25,350 Not Funded

Funded through ITEA in 1995 after two proposals for \$49,950 (Spring 1994) and \$25,350 (Spring 1994) were not funded

Co-Principal investigators: Richard Seymour and Thomas Wright

Principal investigator: Richard Seymour

Title: Society of Manufacturing Engineering Education Foundation

Agency: Society of Manufacturing Engineering (SME)

Amount: \$33,985 (my segment, for professional development activities, funded for \$6800)
Funded Spring 1992
Principal investigator: Wes Baldwin
Co-Principal investigators: Khan, Leduc, Seymour, and Wickman

Title: In-Service Workshops For Three Secondary-level SME/CITE Manufacturing Courses
Agency: Society of Manufacturing Engineering (SME)
Amount: \$14,772
Funded Spring 1992
Co-Principal investigators: Thomas Wright and Richard Seymour

Title: Developing a Model Recruiting Program for Technology Teacher Education Programs
Agency: Technical Foundation of America
Amount: \$42,564
Funded Fall 1991
Co-Principal investigators: Thomas Wright and Richard Seymour

Title: Grant for the Technology Education Collegiate Association (TECA) through ITEA National Office, \$1,900
Agency: Technical Foundation of America
Funded Spring 1990
Principal investigator: Richard Seymour

Contracted professional work

End-of-course assessment writing team, organized by the Indiana Dept. of Education and Pearson Learning Systems, Indianapolis, IN (2012)

Visit team chair and reviewer for the Project Lead The Way (PLTW) programs at 11 Indiana high schools, 2009-2012

Boston (MA) Museum of Science, Middle School Manufacturing Engineering / Curriculum Brainstorming Session, December 2009

Curriculum specialist & workshop coordinator, Indiana Technology Education Implementation Workshops (sponsored by Indiana Dept. of Education), 1991-1999

Technology Education Consultant to Hearlihy & Company, Springfield, OH, 1995-1997

Writer / editor for a manufacturing curriculum project for the International Technology Education Association, CITE Program, and National Center for Manufacturing Sciences; the team completed 17 secondary-level units related to manufacturing technology, Summer 1995

Hudson Institute, Modern Red Schoolhouse Program, Indianapolis, IN, 1994

Project LEARN Educational Center, East Lyme, CT, 1992

6. Professional Growth

Attendance at professional meetings

State Convention, Engineering / Technology Educators of IN, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000 (2), 1999, 1998, 1997, 1996, 1995, 1994, 1993, 1992, 1991

STEM K-12 Educators Workshop, American Society for Engineering Education (ASEE), Columbus, OH, June 2017

Illinois Technology Education Conference, Peoria, IL, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1998, 1998, 1997

Annual conference, International Technology & Engineering Educators Association, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997, 1996, 1995, 1994, 1993, 1992, 1991, 1989, 1988, 1987, 1986, plus AIAA Conference in 1985, 1984, 1983, 1980, 1979

Mississippi Valley Technology Teacher Education Conference, 2018, 2016, 2015, 2014, 2012, 2011, 2010, 2009, 2008, 2007, 2006 & 2005

Strategic Planning Session / Board of Directors of the International Technology Education Association, Seven Springs Resort, PA, July 2008

Fifteenth PATT Conference, Harleem, The Netherlands, April 2005

Technical Foundation of America / Best Practices Conference, Amsterdam, The Netherlands, April 2005

Ohio Technology Education State Conference, Dayton, OH, March 2005

NCATE Program Coordinators Workshop (representing both CTTE and ITEA), Washington, DC, June 2001

TECA Eastern Regional Conference, Virginia Beach, VA, 1999, 1992, 1991

Colorado and Rocky Mountain States Conference, Colorado, 1998, 1993, 1991

Annual Four States Regional Technology Conference, Pittsburg, KS, 1997, 1995

Association for Supervision & Curriculum Development, New Orleans,
April 1992

Technology Education Symposium Seminars, 1989, 1985, 1984, 1983

Non-degree study

Project Lead The Way (PLTW) "Summit", Indianapolis, IN, February 2020
and February 2019

PLTW Launch Training Workshop, Indianapolis, IN, July 2018

1997 Technology Education Study Tour to the United Kingdom (London
and the University of Wolverhampton), June 1997

BSU Environmental Education Workshop, Summer 1997

"I Think" — Systems Thinking Workshop, Dallas, TX, February 1995

TFA-sponsored "Technology Education Leadership Development
Program", Orlando, FL, May 1994

Workshop on "ISO 9000/Q90 Series of Quality Standards", Ball State
University, Muncie, August 1992

Society of Manufacturing Engineer workshop on "Fundamentals of
Industrial and Manufacturing Engineering", Dayton, OH, June 1990

7. Professional Service

Departmental service

Named Interim Chair, Dept. of Educational Studies (Academic Year 2019-
2020)

Dept. of Educational Studies committees: Awards (Chair), Education
Preparation Programs (Chair), Salary & Merit (Member), (2018-2019)

Administrative Council, Dept. of Consumer, Family, and Technology
Education (2017-2018)

Epsilon Pi Tau - Beta Chapter (Professional Honorary), Treasurer (1987 to
present), Trustee (2002-present)

Advisor, BSU Technology & Engineering Education Club (1986-2021)

Fall / Spring Competitive Events Day

* General Conference Chairperson (2012, 2001-2005, & 1999)

Member, Departmental Committees:

- * Promotion and Tenure (Secretary 2017-2018, 2016-2017, 2015-2016, 1995-1996, 1993-1994 and Chair 2013-2015, 2009-2010, 1998-1999, &1996-1997)
- * Departmental Salary Committee (Chair, Fall 2011)
- * Banquet and Awards Committee (1994 to present)
- * Scholarship (2017-2018, Chairman 1994 to 2017)
- * Technology & Engineering Teacher Education (Program Coordinator since 1999)

United Way / Department Committee (Chairperson 1994-1998)

Departmental Fall Conference

- * General Conference Chairperson (1998)
- * Session presenter (1997, 1996, 1995)
- * Publicity Chair (1997, 1996, 1995)

College

Teachers College Curriculum Committee (2017-2018)

Task Force Committee member, Teachers College, for the centennial celebration of TC during academic year 2018 (Summer & Fall 2017)

CAST representative to the Undergraduate Education Committee (2016-2017, 1990-1993)

Teacher Education Committee / Professional Education Committee (CAST Representative to TEC 2001-2003 & PEC 2003-2012 and 2013-2016)

CAST Promotion & Tenure Committee (Secretary 2013-2015 & Member, 2009-2010, Member and Chair, 1998-1999 & 1997-1998)

CAST P & T Hearing Appeals Committee (Chair, Spring 1997)

Participant, CAST Pew Round Table (Spring 1996)

Member, CAST P & T Appeals Committee (for one hearing Spring 1996)

University

Member, Presidential Sustainability Working Group (Summer 2016 to present)

Chair, Professional Education Committee (2017-2018, 2016-2017, 2015-2016, 2011-2012, 2010-2011, 2009-2010, 2008-2009, 2007-2008, 2006-2007, 2005-2006, 2004-2005, 2002-2003), Vice Chair (2018-2019), and Member (2014-2015 & 2013-2014 & 2001-2002)

Member, two CAEP Task Force Committees (for teacher preparation accreditation), 2015-2016

Member, Ball State's Higher Learning Commission (HLC) Sub-Committee for Integrity (Criterion #2) and Chair of the 2-E Sub-Committee, 2013

Member, Ball State's Higher Learning Commission (HLC) Sub-Committee for Integrity (Criterion #2) and Chair of the 2-E Sub-Committee, Fall 2011

BSU Technology Teacher Education Faculty Representative during the NCATE / IPSB Campus Visitation, Spring 2003

Campus-wide Task Force / Redesigning The DAPR, Spring 2003

BSU Faculty Representative During the NCAA Self-Evaluation Review, Spring 2002

Grant reviewer, BSU Office of Academic Assessment (Spring 1992)

Professional service

Local service

Project Coordinator, Construction Toys, Delaware County 4-H Extension Service (2019-present)

Judge, Engineering Toys Projects, Delaware County 4-H Fair, Muncie, IN (July 2015)

Member, Advisory Board (Committee) for Delta Community Schools and Muncie Public Schools, (2009-2016)

State / regional

Indiana Technology Student Association (TSA), State Board of Directors (Secretary, 2016-present)

Chair, host committee for the Indiana Technology Student Association (TSA) State Convention at Ball State University (March 2019 and 2017)

Member, Recruiting team for Indiana Dept. of Education (#TeachTechEd) and ITEEA's National Task Force for promoting teacher preparation

Judge & Referee, Indiana Math / Science / Technology Education Alliance (IMSTEA) Supermileage Challenge program (2009–2015) and E / TEI Supermileage Engineering Challenge (2016-2019)

Judge, Indiana DECA (Distributed Education Clubs of America) State Convention, Indianapolis, IN (2019, 2017, 2015, and 2014)

Co-Chair, Single Articulation Pathways / Manufacturing Engineering Technology, Indiana Dept. of Education & Indiana Department of Workforce Development (2013-2014)

Member, Content Advisory Committee for establishing a “new” exam for Engineering & Technology Education, Indiana Dept. of Education (2010)

Member, Indiana I-STEM Steering Committee (2008-2009)

Chair, Indiana Technology Education Curriculum Committee (1999-2010)

Coordinator, TECA / TEECA Midwest Regional Conference (1988-present)

Board of Directors, Indiana Math / Science / Technology Education Alliance (1995-2015)

Engineering / Technology Educators of Indiana

- * President of the Technology Educators of Indiana, 1995-1996
- * 1st & 2nd Vice President (1994-1995 & 1993-1994 respectfully)
- * Executive Committee (1992 to present)
- * State Conference Registration (Chair, 1999 & 2000)
- * Affiliate Awards Submission Committee (Chair, 1995-2000)

National

Member, ITEEA Task Force / Teacher Recruitment & Retention, 2017

Folio Reviewer, ITEA / CTTE / NCATE (portfolio reviewer for peer institutions) 2008, 2007, 2005, 2004, & 2002

Technology Education Collegiate Association (TECA) National Contest Coordinator, 1994-2009

International

ITEA Conference Program Committee, International Technology Education Association (2019-2021, 2007-2010, and 1995-1997)

2010-2013 Past President, Council for Technology & Engineering Teacher Education (CTETE)

Director from CTETE on the ITEEA Board of Directors, 2010-2013

President, Council on Technology Teacher Education (CTTE), 2007-2010

Manuscript Reviewer, one article for the *International Journal of Technology and Design Education* (Summer 2008)

International Vice President, Council on Technology Teacher Education (CTTE), 2003-2005

Past Member, CTTE Collegiate Student Committee, CTTE Yearbook Committee (2000-2005)

Coordinator, International Conference Student Competitions, 1994-2009

Co-Editor, *CTTE Newsletter*, 1987-1995

Council on Technology Teacher Education (CTTE), Collegiate Student Sub-Committee, 1987-1999 and Chairman 1995-1999

Chair, 1999 ITEA Conference Planning Team

Member, TEECA Management Board, Technology & Engineering Education Collegiate Association (an affiliated Council of the ITEEA), 1994-present

Member of the Board of Directors, International Technology Education Association (ITEA), 1992-1994 term

International Administrative Advisor, Technology Education Collegiate Association (TECA), 1990-1992

Honors

Outstanding Service Award, Teachers College at Ball State University (April, 2018)

Academy Of Fellows distinction from the International Technology & Engineering Educators Association (March, 2017)

Gerald F. Day Outstanding Writer Award, International Technology & Engineering Education Association; Top Invited Article in the *Technology & Engineering Teacher* (for 2013-2014) presented to Linda Rae Markert, Chris Merrill, Edward Reeve, and Richard Seymour (March, 2014)

Recognized with a "Lifetime Achievement Award" by the Engineering / Technology Educators of Indiana (E/TEI) (October, 2012)

Nominated (by the Provost at Ball State University) for the Carnegie "U.S. Professor of the Year" recognition, one of three faculty from the university to be so-honored in 2010

Lockette / Monroe Humanitarian Award recognition from the International Technology Education Association, 2010

Named a Faculty Fellow (representing the College of Applied Sciences & Technology), "Enhanced Student Learning Initiative", BSU, Fall 2006

William J. Wilkinson Meritorious Service award from the International Technology Education Association, 2005

Presidential Award, Technology Educators of Indiana (TEI) 2002

Listed in Marquis *Who's Who In The World*, Millennium Edition (2000)

Listed in 1999 / 2000 Marquis *Who's Who In America* (plus in the 1994, 1998, 2001-present editions)

“Presidential Award”, Technology Educators of Indiana, Fall 2000
Association’s “Heavy Hitter Award”, Technology Educators of Indiana,
Spring 1997 & 2000
Award of Distinction from the International Technology Education
Association, March 1999
Named Outstanding Teacher in the Dept. of Technology, 2011, 1999, & 1995
Named the Technology-Teacher-Educator-Of-The-Year, Council on
Technology Teacher Education (CTTE), March 1998
Team leader, Indiana delegation to the TFA Technology Study Tour in the
United Kingdom, June 1997
Recognized as a “Teacher of the Week” in the Ball State Daily News
during spring term (March 27, 1996 issue)
Laureate Citation, Epsilon Pi Tau Honorary Fraternity / Alpha Chapter,
Columbus, OH, May 1994
Outstanding Teaching Award, CAST, Ball State University, 1987

8. Professional Memberships

Council on Technology & Engineering Teacher Education (CTETE)
Association for Supervision and Curriculum Development (ASCD)
Phi Delta Kappa Educational Honorary (PDK)
Epsilon Pi Tau Professional Honorary (EPT)
Engineering / Technology Educators of Indiana (E/TEI)
International Technology & Engineering Educators Association (ITEEA)
American Society for Engineering Education (ASEE)