Daniel P. Kelly

Assistant Professor of Instructional Technology Department of Educational Psychology and Leadership Texas Tech University College of Education 3008 18th Street, Office 271 Lubbock, TX 79409-1071 Phone: 806.834.5391 Email: <u>daniel.kelly@ttu.edu</u> Web: http://drdanielkelly.com

Curriculum Vitae – Updated: September, 2018

Education:

Doctor of Education in Technology Education (2017) North Carolina State University Minor: Digital Teaching and Learning **Cognate: Educational Psychology** Dissertation: Measurements of self-efficacy in engineering graphics students: An examination of factors impacting student outcomes in introductory engineering graphics courses Master of Science in Technology Education (2015) North Carolina State University Thesis: STEM Teacher Efficacy in Inverted Classrooms Matriculated – Master of Science in Teaching (2006-2007) State University of New York at Potsdam Completed 15 graduate credit hours in Secondary Science Education **Bachelor of Arts in Physics** (2006) State University of New York at Potsdam **Advanced Electronics Technical Core Program** (1998) **Electronics Technician A-School** (1999) United States Navy **Certificate in Electricity/Electronics** (1998) Niagara/Orleans Board of Cooperative Education Services **Related Professional Experience:** Assistant Professor of Instructional Technology (2018-present) Texas Tech University, Department of Educational Psychology and Leadership Courses: Planning and Producing Instructional Materials (Instructional System Development) **Teaching Assistant Professor** (2017-2018) North Carolina State University, Department of STEM Education

Courses: Engineering Graphics, Web Development, Electronics, Engineering, Design, Emerging Issues in Technology Education, and Robotics, University Supervisor for Technology Education student teachers

Program Director (2017-2018)

Virginia Polytechnic Institute and State University, School of Education NSF Funded Project: Active Learning Modules to Support Problem-Based Learning: Effects on Engineering Retention and Academic Outcomes of At-Risk Students

Graduate Teaching Assistant (2016-2017)

North Carolina State University, Department of STEM Education

Instructor of Record

Courses: Engineering Graphics, Web Development, Research & Development in Technology Education, University Supervisor for Technology Education student teachers

National Teacher Effectiveness Coach (2016-2017)

International Technology and Engineering Educators Association (ITEEA)

Graduate Research Assistant (2015-2016)

North Carolina State University, Department of STEM Education NSF Funded Project: Transforming Teaching through Implementing Inquiry

Instructor (2016)

Technology Training Solutions, North Carolina State University Course: 3D Printing and Additive Manufacturing

Graduate Teaching Assistant (2015)

North Carolina State University, Department of STEM Education Courses: Desktop Publishing/Imaging Technology and Concepts of Website Development

Teacher (2015)

Riverside High School, Durham, NC Courses: Technology, Engineering, and Design

Teacher (2013-2015)

Franklin Academy Charter School, Wake Forest, NC Project Lead the Way (PLTW) District Delegate Courses: Science of Technology, Robotics, Digital and Emerging Technology, and Mathematics and English Language Arts Enrichment Daniel P. Kelly

Curriculum Vitae

Teacher (2011-2013)

Neal Middle School, Durham, NC STEM Education Department Chair School Improvement and Leadership Team Member Courses: Project Lead the Way (PLTW), Electronics, Automation and Robotics, Design and Modeling, Energy and the Environment, Science

Research Assistant (2014-2015)

North Carolina State University, Department of STEM Education Project: Creativity in Engineering Education

Research Assistant (2013)

North Carolina State University, Department of STEM Education Project: Electronics Literacy

Publications:

Refereed Journal Articles:

- Denson, C.D., Kelly, D.P., & Clark, A.C. (2018). Developing an instrument to measure student self-efficacy as it relates to 3D modeling. *Engineering Graphics Design Journal*, 88(1).
- Ernst, J. V., Williams, T. O., Clark, A.C., Kelly, D. P., & Sutton, K. (2017). K-12 STEM educator autonomy: An investigation of school influence and classroom control. *Journal of STEM Education: Innovations and Research*, 18(5), 5-9.
- Kelly, D.P. & Denson, C.D. (2017). STEM teacher efficacy in flipped classrooms. *Journal of STEM Education: Innovations and Research*, 18(4), 43-50.
- Ernst, J.V., Williams, T.O., Kelly, D.P., & Clark, A.C. (2017). Factors of spatial visualization: An analysis of the PSVT:R. *Engineering Design Graphics Journal*, 81(1), 1-10.
- Kelly, D.P. & Rutherford, T. (2017). Khan Academy as supplemental instruction: A controlled study of a computer-based mathematics intervention. *Journal* of Computer Assisted Learning, 18(4), 70-77.
- Sutton, K.G., Busby, J.R., & Kelly, D.P. (2016). Multicopter design challenge: Design, fly, and learn. *Technology and Engineering Teacher*, *76*(2), 8-12.
- Kelly, D.P. (2015). Overcoming barriers to classroom technology integration. *Educational Technology*, *55*(2), 40-43.

Invited Journal Articles:

- Branoff, T., Ernst, J. V., Clark, A. C., **Kelly, D.P.**, & DeLuca, V. W. (In Press, 2019). Initial student evaluation. *Technology and Engineering Teacher*.
- Segedin, L., Fahrer, N., Ernst, J. V., Clark, A. C., Kelly, D.P., & DeLuca, V. W. (In Press, 2019). Adapting instruction. *Technology and Engineering Teacher*.
- Steffern, V., Furse, B., Ernst, J. V., Clark, A. C., Kelly, D.P., & DeLuca, V. W. (In Press, 2019). School and community. *Technology and Engineering Teacher*.
- Walton, M., Ernst, J. V., Clark, A. C., Kelly, D.P., & DeLuca, V. W. (In Press, 2019). Lab and class management. *Technology and Engineering Teacher*.
- Buelin, J., Ernst, J. V., Clark, A. C., Kelly, D.P., & DeLuca, V. W. (In Press, 2018). Formative evaluation techniques. *Technology and Engineering Teacher*.
- Busby, J., Ernst, J. V., Clark, A. C., **Kelly, D.P.**, & DeLuca, V. W. (In Press, 2018). Professional organizations. *Technology and Engineering Teacher*.
- Colelli, R., Harrison, H., Ernst, J. V., Clark, A. C., **Kelly, D.P.**, & DeLuca, V. W. (In Press, 2018). Student organizations. *Technology and Engineering Teacher*.
- Daugherty, J., Ernst, J. V., Clark, A. C., Kelly, D.P., & DeLuca, V. W. (2018). Classroom quality. *Technology and Engineering Teacher*, 78(1), 32-33.
- Kelly, D.P., Sabet, A., & Galloway, C. (2018). Technological literacy through service learning and Go Baby Go!. *Technology and Engineering Teacher*, 78(1), 8-13.
- Brown, J., Ernst, J. V., Clark, A. C., DeLuca, V. W., & Kelly, D.P. (2017). Working with special populations. *Technology and Engineering Teacher*, 77(8), 10-13.
- Blue, C., Mupinga, D., Ernst, J. V., Clark, A. C., DeLuca, V. W., & Kelly, D.P. (2018). Multiculturalism in the classroom. *Technology and Engineering Teacher*, 77(7), 25-31.
- Luna, E., Ernst, J. V., Clark, A. C., DeLuca, V. W., & Kelly, D.P. (2018). Enhancing classroom creativity. *Technology and Engineering Teacher*, 77(6), 26-31.

- Lipscomb, K. & Nato, S., Ernst, J. V., Clark, A. C., DeLuca, V. W., & Kelly, D.P. (2018). Implementing learning activities. *Technology and Engineering Teacher*, 77(5), 14-19.
- Ridgeway, J., Ernst, J. V., Clark, A. C., DeLuca, V. W., & Kelly, D.P. (2017). Designing standards-based STEM. *Technology and Engineering Teacher*, 77(4), 30-35.
- Segedin, L. & Bottomley, L., Ernst, J. V., Clark, A. C., DeLuca, V. W., & Kelly, D.P. (2017). Engaging females in STEM. *Technology and Engineering Teacher*, 77(3), 29-31.
- Hart, N., Ernst, J. V., Clark, A. C., DeLuca, V. W., & Kelly, D.P. (2017). Best practices. *Technology and Engineering Teacher*, 77(2), 30-34.
- Brown, R., Ernst, J. V., Clark, A. C., DeLuca, V.W., & Kelly, D.P. (2017). STEM curricula. *Technology and Engineering Teacher*, 77(1), 26-29.

Manuscripts under Review or Revision:

Refereed Proceedings:

- Ernst, J.V., Glimcher, S., Kelly, D.P., & Clark, A.C. (2016). Active learning module development for at-risk learners in engineering graphics.
 Published proceedings of the *American Society of Engineering Education Annual Conference and Exposition*, Salt Lake City, UT, Paper #21548.
- Kelly, D.P. & Kelly, D.L. (2018). Toward an understanding of dysgraphia as a barrier to STEM-related careers. Published proceedings of the 36th International Pupils' Attitudes Towards Technology Conference, Athlone Institute of Technology, Co. Westmeath, Ireland, 36, 417-422.
- Ernst, J.V., Clark, A.C. & Kelly, D.P. (2018). Introduction to engineering design graphics project supporting problem-based learning for students at-risk. Published proceedings of the *Engineering Design Graphics Division of the American Society of Engineering Education's 72nd Midyear Conference*, Montego Bay, Jamaica, 72, 118-122.
- Denson, C.D., & Kelly, D.P. (2018). Using exploratory factor analysis to build a self-efficacy scale for three-dimensional modeling. Published proceedings of the Engineering Design Graphics Division of the American Society of Engineering Education's 72nd Midyear Conference, Montego Bay, Jamaica, 72, 29-35.

- Williams, T.O., Ernst, J.V., Clark, A.C., & Kelly, D.P. (2018). Using confirmatory factor analysis and model respecification to reproduce a onefactor model of the PSVT:R. Published proceedings of the *Engineering Design Graphics Division of the American Society of Engineering Education's 72nd Midyear Conference*, Montego Bay, Jamaica, 72, 78-81.
- Kelly, D.P., Ernst, J.V., & Clark, A.C. (2017). Hidden STEM: Identifying meaningful STEM career paths for underrepresented students. Published proceedings of the 2017 International Education Conference, Stockholm, Sweden, 324, 1-6.
- Kelly, D.P., Sutton, K.G., & Clark, A.C. (2016). A "new" visualization assessment for engineering graphics courses. Published proceedings of the Engineering Design Graphics Division of the American Society of Engineering Education's 71st Midyear Conference, Nashua, NH, 71, 1-5.
- Clark, A.C., Kelly, D.P., Fahrer, N.E., & Ernst, J.V. (2016). An examination of three assessment models of the PVST:R. Published proceedings of the *Engineering Design Graphics Division of the American Society of Engineering Education Midyear Conference*, Nashua, NH, 71, 1-5.
- Kelly, D.P., Clark, A.C., Ernst, J.V., & Sutton, K.G. (2016). Flipped instruction in engineering graphics courses: Current landscape and preliminary study results of instructors' perceptions. Published proceedings of the American Society of Engineering Education Annual Conference and Exposition, New Orleans, LA, Paper #15738.
- Ernst, J.V., Williams, T.O., Clark, A.C., & Kelly, D.P. (2016). Psychometric properties of the PSVT:R outcome measure: A preliminary study of introductory engineering design graphics. Published proceedings of the *Engineering Design Graphics Division of the American Society of Engineering Education Midyear Conference*, Daytona Beach, FL, 70, 10-15.
- Kelly, D.P., Clark, A.C., & Ernst, J.V. (2016). A model for engineering and technology teacher education professional development. Published proceedings of the 2016 International Education Conference, Venice, Italy, 286, 1-4.

Books:

Kelly, D.P. (2014). Falling down: A teenager's true story of redemption. Durham, NC: Author.

Presentations:

International Conferences:

- Kelly, D.P. & Kelly, D.L. (June, 2018). Toward an Understanding of Dysgraphia as a Barrier to STEM-Related Careers. Paper presentation at the 36th International Pupils' Attitudes Towards Technology Conference, Athlone Institute of Technology, Co. Westmeath, Ireland.
- Ernst, J.V., Clark, A.C. & Kelly, D.P. (January, 2018). Introduction to engineering design graphics project supporting problem-based learning for students at-risk. Paper presentation at the American Society for Engineering Education (ASEE) Engineering Design Graphics Division (EDGD) 72nd Midyear Conference, Montego Bay, Jamaica.
- Denson, C.D., & Kelly, D.P. (January, 2018). Using exploratory factor analysis to build a self-efficacy scale for three-dimensional modeling. Paper presentation at the American Society for Engineering Education (ASEE) Engineering Design Graphics Division (EDGD) 72nd Midyear Conference, Montego Bay, Jamaica.
- Williams, T.O., Ernst, J.V., Clark, A.C., & Kelly, D.P. (January, 2018). Using confirmatory factor analysis and model respecification to reproduce a onefactor model of the PSVT:R. Paper presentation at the American Society for Engineering Education (ASEE) Engineering Design Graphics Division (EDGD) 72nd Midyear Conference, Montego Bay, Jamaica.
- Kelly, D.P., Ernst, J.V., & Clark, A.C. (June, 2017). Hidden STEM: Identifying meaningful STEM career paths for underrepresented students. Paper presented at the 2017 International Education Conference, Stockholm, Sweden.
- Ernst, J.V., **Kelly, D.P., &** Clark, A.C. (June, 2016). A model for engineering and technology teacher education professional development. Paper presented at the 2016 International Education Conference, Venice, Italy.

National and Regional Conferences:

- Kelly, D.P. (April, 2018). Stop complaining about millennials in the classroom! International Technology and Engineering Educators Association (ITEEA) Annual Conference, Atlanta, GA.
- Kelly, D.P., Ernst, J.V., & Clark, A.C. (April, 2018) Learning modules for at-risk graphics students. Council on Technology and Engineering Teacher Education (CTETE), Atlanta, GA.

- Kelly, D.P. (October, 2017). Addressing the gender gap in engineering graphics: trends, self-efficacy, and academic outcomes. Southeastern Technology Education Annual Conference, Raleigh, NC.
- Kelly, D.P., Autry, B.D., & Kelly, D.L. (October, 2017). Engaging at-risk students in STEM education. Southeastern Technology Education Annual Conference, Raleigh, NC.
- Kelly, D.P., Sutton, K.G., Clark, A.C., & Fahrer, N.E. (November, 2016). Spatial visualization and STEM educational attainment and persistence: Rationale and assessment. Southeastern Technology Education Annual Conference, Virginia Beach, VA.
- Kelly, D.P. (March, 2017). Measurements of self-efficacy in engineering graphics students: An examination of factors impacting student outcomes in an introductory engineering graphics course. Poster presented at the 12th Annual Graduate Student Research Symposium at North Carolina State University, Raleigh, NC.
- Kelly, D.P., Sutton, K.G., Clark, A.C., & Fahrer, N.E. (November, 2016). Spatial visualization and STEM educational attainment and persistence: Rationale and assessment. Southeastern Technology Education Annual Conference, Virginia Beach, VA.
- Kelly, D.P., Sutton, K.G., & Clark, A.C. (October, 2016). A "new" visualization assessment for engineering graphics courses. Paper presentation at the American Society for Engineering Education (ASEE) Engineering Design Graphics Division (EDGD) 71st Midyear Conference, Nashua, NH.
- Clark, A.C., Kelly, D.P., Fahrer, N.E., & Ernst, J.V. (October, 2016). An examination of three assessment models of the PVST:R. Paper presentation at the American Society for Engineering Education (ASEE) Engineering Design Graphics Division (EDGD) 71st Midyear Conference, Nashua, NH.
- Bowers. S., Ernst, J.V., Kelly, D.P., & Clark, A.C. (July, 2016). Building teachers' STEM practices. 5th annual STEM Forum & Expo, Denver, CO.
- Kelly, D.P., Clark, A.C., Ernst, J.V., & Sutton, K.G. (June, 2016). Flipped instruction in engineering graphics courses: Current landscape and preliminary study results of instructors' perceptions. Paper presented at the American Society for Engineering Education Annual Conference and Exposition, New Orleans, LA, Session W218.

- Kelly, D.P. & Fahrer, N.E. (April, 2016). Flipping an undergraduate engineering graphics communication course: Research goals and design. Poster presentation at the STEM Education Research Symposium, North Carolina State University, Raleigh, NC.
- Clark, A.C., Ernst, J.V., & Kelly, D.P. (March, 2016). Online professional development for technology/engineering education teachers. International Technology and Engineering Educators Association (ITEEA) Annual Conference, Washington, D.C.
- Kelly, D.P. (March, 2016). Integrative STEM education: A catalyst for bringing STEM to life! – What is PBL and should we care? Panel presentation at the International Technology and Engineering Educators Association (ITEEA) Annual Conference, Washington, D.C.
- Carter, C., Coates, T., Welker, M, & Kelly, D.P. (March, 2016). 3D printing is changing the way we think. – 3D printing: Beyond the "cool factor." Panel presentation at the International Technology and Engineering Educators Association (ITEEA) Annual Conference, Washington, D.C.
- Ernst, J.V., Williams, T.O., Clark, A.C., & Kelly, D.P. (January, 2016).
 Psychometric properties of the PSVT:R outcome measure: A preliminary study of introductory engineering design graphics. Paper presentation at the American Society for Engineering Education (ASEE) Engineering Design Graphics Division (EDGD) 70th Midyear Conference, Daytona Beach, FL.
- Kelly, D.P. (December, 2015). The continuing role of vocational education in 21st century schools: A case study. Poster presentation at the Graduate Student Poster Session, North Carolina State University, Raleigh, NC
- Kelly, D.P. (November, 2015). STEM teacher Efficacy in inverted classrooms. Mississippi Valley Technology Teachers Education Annual Conference/Southeastern Technology Education Annual Conference, Nashville, TN.
- Kelly, D.P., Sutton, K.G., Clark, A.C., & Ernst, J.V. (November, 2015). Flipped instruction for technology and engineering educators. Mississippi Valley Technology Teachers Education Annual Conference/Southeastern Technology Education Annual Conference, Nashville, TN.
- Kelly, D.P. (March, 2015). STEM teacher efficacy in flipped classrooms. Research Roundtable: Council on Technology and Engineering Teacher Education (CTETE), Milwaukee, WI.

- Kelly, D.P. (March, 2015). Overcoming barriers to classroom technology integration. International Technology and Engineering Educators Association (ITEEA) Annual Conference, Milwaukee, WI.
- Kelly, D.P. (March, 2015). STEM teacher efficacy in inverted classrooms. Poster presentation at the STEM Education Research Symposium, North Carolina State University, Raleigh, NC.
- Kelly, D.P. (March, 2015). Overcoming barriers to classroom technology integration. International Technology and Engineering Educators Association (ITEEA) Annual Conference, Milwaukee, WI.
- Kelly, D.P. (November, 2014). Overcoming barriers to classroom technology integration. Teaching and Learning with the iPad, Raleigh, NC.
- Kelly, D.P. (October, 2014). Overcoming barriers to classroom technology integration. Luddy Education Conference, Wake Forest, NC.

Service and Outreach Presentations:

- Kelly, D.P., Taylor, P., & Taylor, T. (September, 2017). Working with students in foster care. Pre-Service Teacher Professional Development Workshop at North Carolina State University, Raleigh, NC.
- Kelly, D.P. (July, 2017). Millennials and technology in the classroom. Beginning Teacher Institute at North Carolina State University, Raleigh, NC.
- Kelly, D.P. (March, 2016). Choosing appropriate technology for the 21st century classroom. North Carolina Science Teachers Association, Raleigh, NC.

Grant and External Funding:

- Kelly, D.P., Clark, A.C., Ernst, J.V., Blanchard, M.R., & Peterson, B. (In Review).
 Connecting STEM My College Mentor: The Development of an E-Mentoring Model Linking Rural Middle School Students to University STEM Mentors.
 ITEST Strategies, National Science Foundation, \$1,199,625/3 years. Principal Investigator.
- Rutherford, T., Kelly, D. P., Hite, R., Walkowiak, T., & Jhala, A. (In Review).
 Integrating Computational Thinking in Elementary Mathematics through Tangible, Collaborative Coding (CTinELM). STEM + Computing (STEM+C)
 Partnerships Program, National Science Foundation, \$1,479,894/3 years. Co-Principal Investigator.

- Ernst, J.V., Brown, J., Clark, A.C., Kelly, D.P. (2017). Active Learning Modules to Support Problem-Based Learning: Effects on Engineering Retention and Academic Outcomes of At-Risk Students. IUSE- Exploration & Design, National Science Foundation, \$599,485/3 years. Institutional Principal Investigator.
- Ernst, J.V., Bottomley, L., Clark, A.C., DeLuca, V.W., & Ferguson, S. (2011). *Transforming Teaching through Implementing Inquiry*. Discovery Research K-12, National Science Foundation, \$1,994,342/5 years. Research Associate (2014-2015).

Outreach and Interdisciplinary Activities:

- STEM Explorers Summer Camp program to engage foster children in STEM activities
- ConnectingSTEM.org

Collaborative research and educational resource for STEM education

Honors and Awards:

- International Technology and Engineering Educators Association (ITEEA) Emerging Leader Designation (2018)
- Epsilon Pi Tau Robert & Marilyn Wenig Scholarship. (2017)
- Epsilon Pi Tau Robert & Marilyn Wenig Scholarship. (2016)
- Best Presentation Award: A Model for Engineering and Technology Teacher Education Professional Development, 2016 International Education Conference, Venice, Italy (2016)
- Foundation for Technology and Engineering Education (FTEE), International Technology and Engineering Educators Association (ITEEA) and Council on Technology & Engineering Teacher Education (CTETE) 21st Century Leadership Academy Fellow (Class of 2017)
- Foundation for Technology and Engineering Education/Donald Maley Outstanding Graduate Student Award (2016)
- William Everett Warner Graduate Student Research Award (2015)
- Teacher of the Month (February, 2013)
- STEM Educator of the Month (October 2012)
- United States Navy Three Letters of Commendation (1998-1999)

Service and Leadership:

Academic:

- Associate Editor Engineering Design Graphics Journal (2018-present)
- Reviewer, The International Review of Research in Open and Distributed Learning (2017)
- Editorial Board Member, Meridian: A K-16 School Computer Technologies Journal (2016-2017)
- Reviewer, ASEE Annual Conference and Exposition (2017)
- Reviewer, EDGD 72nd Annual Mid-Year Conference (2016)
- Reviewer, EDGD 71st Annual Mid-Year Conference (2016)
- Reviewer, Meridian: A K-16 School Computer Technologies Journal (2015-2016)
- Reviewer, ASEE Annual Conference and Exposition (2016)
- Reviewer, Clute Institute 2016 International Education Conference (2016)
- Reviewer, EDGD 70th Annual Mid-Year Conference (2015)

Organizational:

- Council on Technology & Engineering Teacher Education (CTETE) Chair, Committee on Teacher Revitalization and Retention (2018-present)
- Engineering Design Graphics Division (EDGD) of the American Society for Engineering Education (ASEE) 73rd Annual Mid-year Conference – Program Chair (2019)
- Technology and Engineering Education Collegiate Association Judge (2016)
- GLBT Advocate Program (2016-present)
- Epsilon Pi Tau Honor Society
 President Alpha Pi Chapter (2015-present)
 Vice-president Alpha Pi Chapter (2014-2015)
- The PUSH Initiative President (2014-present)
- Graduate Student Advisory Board Member (2015-2016)
- Ed Council Epsilon Pi Tau Representative (2015)
- Neal Middle School CTE Department Chair (2011-2012) School Leadership Team Representative (2011-2012)
- Tri-Town Volunteer Rescue Squad, Inc.
 - New York State Certified Emergency Medical Technician (2004-2009) Vice President (2005-2007) Board of Directors (2005-2008)
- North Country Community Health Programs Executive Director (2007-2009)

- Brasher-Winthrop Fire Department, Inc. Volunteer Fire Fighter (2003-2008) Captain (2006-2007)
- West Stockholm Fire Department, Inc. Volunteer Fire Fighter (2002-2003)
- United States Navy Honorably Discharged (1999)

Professional Licensure:

State of North Carolina #1144177

- Technology Education
- Science (6-9)

Professional Memberships:

- American Educational Research Association (2014-present)
- International Technology and Engineering Educators Association (2013-present)
- Epsilon Pi Tau Honor Society (2014-present)
- Southeastern Technology Education Conference (Life Member)
- Mississippi Valley Technology Teacher Education Conference (Life Member)
- American Society for Engineering Education (2015-present)
- North Carolina Association for Career Technical Education (2017)
- Phi Kappa Phi Honor Society (2017)
- National Education Association (2015-2018)
- North Carolina Association of Educators (2015-2018)
- International Society for Technology in Education (2014-present)
- Spatial Intelligence and Learning Center (2014-present)

Additional Training:

Project SAFE Ally (2016) Project Lead the Way

- Certified in the following courses:
 - Automation and Robotics
 - Design and Modeling
 - Energy and the Environment
 - Flight and Space
 - Magic of Electrons
 - Science of Technology