Otilia Popescu

Dominion University College

ORCID 0000-0002-5975-6529 · Profile peerford.com/scholars/784

RESEARCH

Areas: Media Technology · Computer Networks and Communications · Architecture · Electrical and Electronic Engineering · Information Systems · Biomedical Engineering

RESEARCH SUMMARY

16	5	2	0	0.34	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 16 publications listed below, 2020–2026. Field-weighted impact is the mean over the 11 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 11 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 1

1. Dutton, Sheryl, Galderisi, Kurt, Kuzlu, Murat, **Popescu, Otilia**, Jovanovic, Vukica (2023). Teaching Data Acquisition Through the Arduino Driven Home Weather Station Project. *ODU Digital Commons (Old Dominion University)*. https://doi.org/10.5281/zenodo.8212995

Conference papers 15

1. Murat Kuzlu, Vukica Jovanovic, Katherine Smith, **Otilia Popescu**, Adel El-Shahat, Ryan Cotton, Kayla Seegers, William Henderson (2026). A Large Language Model-Based Academic Advising Assistant for Engineering Technology Students. https://doi.org/10.18260/1-2--58971
2. Katherine Smith, Dalya Ismael, **Otilia Popescu**, Murat Kuzlu, Adel El-Shahat, Vukica Jovanovic (2026). A Methodological Framework for Modernizing Engineering Course Content with Large Language Models. https://doi.org/10.18260/1-2--59000
3. Dimitrie Popescu, **Otilia Popescu** (2026). Affordable Course Content and Open Education Resources for Undergraduate Courses Teaching Fundamentals of Wireless Communications and Networking. https://doi.org/10.18260/1-2--59339
4. Adel El-Shahat, Murat Kuzlu, Vukica Jovanovic, Katherine Smith, Abdullah Al Mamun, **Otilia Popescu** (2026). Artificial Intelligence (AI) in Educating Next Generation of Engineering Technology Students. https://doi.org/10.18260/1-2--58907
5. **Otilia Popescu**, Dimitrie Popescu (2026). Using a Study Journal to Support Class Engagement and the Development of Entrepreneurial Mindset Habits. https://doi.org/10.18260/1-2--61179
6. **Otilia Popescu**, Dimitrie Popescu, Emanuel PUSCHITA (2025). Collaborative Online Interactive Laboratory on Software Defined Radio Fundamentals. https://doi.org/10.18260/1-2--56108
7. **Otilia Popescu**, Logan Beaver, Murat Kuzlu, Krishnanand Kaipa (2025). Using Quanser Platform to Introduce Engineering Technology Students to Autonomous Vehicles. https://doi.org/10.18260/1-2--57315
8. **Otilia Popescu**, Orlando Ayala, Isaac Flory, Jose Fernandez, Vukica Jovanovic (2024). A Pilot Course as a Step towards New Academic Programs in Renewable Energies. https://doi.org/10.18260/1-2--40670
9. Murat Kuzlu, Vukica Jovanovic, **Otilia Popescu**, Salih Sarp (2024). Development of Sensing and Programming Activities for Engineering Technology Pathways Using a Virtual Arduino Simulation Platform. https://doi.org/10.18260/1-2--43164

10. Salih Sarp, Murat Kuzlu, **Otilia Popescu**, Vukica Jovanovic, Zafer Acar (2024). Development of a Data Science Curriculum for an Engineering Technology Program. https://doi.org/10.18260/1-2--43109
11. **Otilia Popescu**, Isaac Flory, John Hackworth, Murat Kuzlu (2024). Four Decades of Distance Learning Instruction in an Electrical Engineering Technology Program. https://doi.org/10.18260/1-2--47477
12. Murat Kuzlu, Brian Emmanuel Tamayo, Salih Sarp, **Otilia Popescu**, Vukica Jovanovic (2024). Integration of OMNeT++ into a Networking Course in an Electrical Engineering Technology Program. https://doi.org/10.18260/1-2--43794
13. Vukica Jovanovic, Deborah Marshall, Jeff Larson, Abdul Rahman Badawi, Neil StClair, **Otilia Popescu**, Murat Kuzlu, Petros Katsioloudis, Linda Vahala, Michael Crespo (2024). Mentoring Prospective Engineering Students Through the After School Program "Girls in Engineering" Focused on Building an Underwater Remotely Operated Vehicle. *2021 ASEE Virtual Annual Conference Content Access Proceedings*. https://doi.org/10.18260/1-2--37501
14. **Otilia Popescu**, Murat Kuzlu (2024). Senior Elective Communications Systems Courses as Pathways to Capstone Projects in Electrical Engineering Technology Program. *2021 ASEE Virtual Annual Conference Content Access Proceedings*. https://doi.org/10.18260/1-2--37707
15. Vukica Jovanovic, **Otilia Popescu**, Carol Considine, Karina Arcaute, Krishnanand Kaipa, Stephanie Adams (2020). Learning in Informal Environments through Engineering Activities through the Partnership with the Girl Scouts. https://doi.org/10.18260/1-2--33052