

#	Title	Authors with affiliation and country
1570620519	Experiment design with Galilean beam expanders for magneto-optical traps and the advanced undergraduate laboratory	Jared Matthew Cochrane (United States Military Academy at West Point, USA); Mary Lanzerotti, Corey Gerving, Seth Barbrow and Anthony Dinallo (USMA, USA)
1570626714	Exploration of Pedagogical Interventions to Improve the Outcomes of Hispanics in AP Computer Science	Mayra S Bachrach (1000 Morris Ave, USA); Patricia A Morreale and Gail Verdi (Kean University, USA)
1570627787	Impact of a Free Textbook on an Introductory Programming Course	Tacksoo Im, Hyesung Park, Wei Jin, Rick Price, Robert Lutz, Sonal Dekhane and Na'el Abu-Halaweh (Georgia Gwinnett College, USA)
1570627886	A Preliminary Work on Visualization-based Education Tool for High School Machine Learning Education	Abel A Reyes, Colin Elkin, Quamar Niyaz, Xiaoli Yang and Sidike Paheding (Purdue University Northwest, USA); Vijaya Kumar Devabhaktuni (University of Purdue Northwest, USA)
1570628412	SALP: A Scalable Autograding System for Learning Programming - A Work in Progress	Diego Calderon and Erick Petersen (Universidad Galileo, Guatemala); Oscar Rodas (Universidad Galileo & Tesla Lab, Guatemala)
1570628421	Using virtual assistant for learning selected topics of Physics	José R Aguilar-Mejía and Santa Tejeda (Tecnologico de Monterrey, Mexico)
1570629915	Systems Thinking and STEM/Technical Training: How to Use a Holistic View to Prevent End-to-End System Problems	Dwight Bues (SAIC Corp., USA)
1570630849	Improving method of instruction in classrooms	Sanish Rai (West Virginia University Institute of Engineering, USA)
1570630865	Improving computer science lab feedback methods	Sanish Rai (West Virginia University Institute of Engineering, USA)
1570632086	STEM Leadership and Training for Trailblazing Students in an Immersive Research Environment	Marisel Villafañe-Delgado, Erik Johnson, Marisa Hughes and Martha Cervantes (Johns Hopkins University Applied Physics Laboratory, USA); William Gray-Roncal (Johns Hopkins University Applied Physics Laboratory & Preparation Meets Opportunity Foundation, USA)
1570633111	A Study of Localization Methods to Help Elderly Patients in their Home Environments	Akbar Ali (University of Virginia, USA); Jennifer Suon (Towson University, USA); Muhammad Ali Yousuf (Johns Hopkins University, USA)