4th European Industrial Ethernet Award 2016/2017

ETHERNET POWERLINK Standardization Group

Task

Develop a research project with relevance to the Industrial Internet of Things (IIoT) utilizing POWERLINK.

Call for projects

This Industrial Ethernet Award is the fourth installment of the popular university contest hosted by the Ethernet POWERLINK Standardization Group (EPSG). Students from all over Europe will be answering the challenge to create the most innovative automation project based on POWERLINK. Prizes with a total value of € 50,000.- will be awarded to the teams with the most innovative concepts, creative solutions and outstanding projects. Visit www.ethernet-powerlink.org/en/award to learn how your team can join the contest.

POWERLINK

is the standard for high-performance real-time communication in machines and automation systems. The technology is compliant with IEEE 802.3 Ethernet, free of patents and completely open source with BSD licensing. The software stack and its documentation are hosted by the independent developer platform SourceForge. Visit openpowerlink.sourceforge.net for information on how to implement the protocol on Linux systems, microcontrollers and FPGAs.

Rules

Team: Up to 5 students + 1 university supervisor
Project: Utilization of POWERLINK technology for the IIoT
Results: Working prototype and scientific paper

Contact information

Web: www.ethernet-powerlink.org/en/award
LinkedIn: www.ethernet-powerlink.org/en/linkedin
E-Mail: award@ethernet-powerlink.org

Winners will be chosen by an independent jury made up of our partners.

OSADL   B&R   BE. services

Prizes

1st place
€ 10,000.-

2nd place
€ 5,000.-

3rd place
€ 2,500.-

+ Open-access article fees for the best scientific papers

+ Discounts on automation tools and hardware components

+ Social networking event

= **Total value of all prizes is approximately € 50,000.-**

Timeline

Project submission
with extended abstract (1 page) by December 31st, 2016

Project presentation
with prototype and scientific paper (6 pages) by June 30th, 2017

Award ceremony
with social event in Austria for the top teams in Summer 2017