

SIITME 2026

IEEE 32nd International Symposium for
Design and Technology in Electronics Packaging
28th - 31st October 2026, Târgoviște, Romania

Conference & Exhibition



Workshop/Panel speaker:

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Title of the Presentation:

**Bridging the Gap - What Industry Expects from
Graduates**

Short CV

After receiving my bachelor's degree in Electrical Engineering and Computer Science from Ștefan cel Mare University of Suceava in 2012, I started my career as a Hardware Design Engineer at Continental Automotive. I then moved into automation engineering and, later, Technical Training Management at EGGER. For two years, I also worked part-time in a research group, where I was involved in high-speed signal integrity simulations for CERN. In 2019, I joined IFM Prover as a Hardware Design Engineer, working on process sensors, and progressed to Development Team Leader. Since 2023, I have been leading the R&D department as Development Director.

Abstract of presentation

Companies often say there is a gap between what universities teach and what industry needs. This talk looks at how that gap can be closed in practice, through the stories of several of our former interns. They are now design engineers in our team and the talk follows their path from first contact to full team membership. As students, they took part in engineering competitions and later organized one themselves. They also completed their bachelor's theses together with our company. During this time, they learned electronics design, PCB layout, embedded programming, simulation and high-precision measurement.

What set these students apart was their involvement and the seriousness they brought to their internship. The presentation shows how early engagement, hands-on projects and close collaboration between academia and industry can prepare graduates for real engineering work. It also shows what employers value beyond technical knowledge: initiative, reliability and a willingness to learn.