



Electronic/Photonic Design Automation (EPDA) Solutions Engineer

VPIphotonics, a premier provider of professional simulation software for optical communication systems, offers a mid-level position.

Responsibilities

- Development of EPDA solutions based on integration of Electronic Design Automation (EDA) and Photonic Design Automation (PDA) tools for the following (and similar) applications:
 - Design of transceivers and high-speed optoelectronic chips
 - Optical fiber-based Ethernet (IEEE 802.3), e.g., 800GBASE-DR8, 800GBASE-SR8, 1.6TBASE.
 - Short-reach and long-haul fiber-based and free-space-optics (FSO) transmission systems
- Preparing specifications and requirements, supporting the software development teams, testing, documentation, and creation of application examples.
- Working with VPIphotonics partners in the EDA industry

Skills & Experience

- Good knowledge of high speed electronics and optoelectronics.
- EDA platform: Keysight Advanced Design System (ADS)
 - Transient & Convolution simulations
 - Verilog-A models
 - Harmonic balance
 - S-parameters and X-parameters
 - IBIS-AMI simulations
 - Keysight System Design (SystemVue)
- PDA platform: VPIphotonics Design Suite or similar
 - Optical transmission systems
 - Photonic integrated circuits (based on SiP, InP, SiN, etc.)
- M.Sc. or Ph.D. degree in electronics, electrical engineering, or physics.
- Experience in creating prototypes in Python.
- Solid writing and presentation skills in English.

Further, we envision that the successful candidate will

- work in our software devel facility (Lithuania, Poland, Latvia), or our headquarters (Germany)
- be self-disciplined and motivated to work in a team
- combine office and remote work
- have a valid EU residence and work permit

Join our team to work alongside an expert team of modelers and developers addressing the demand of tomorrow's research and industry. VPIphotonics will provide comprehensive product training, flexible work hours, and a rewarding international career path.

The salary will be negotiated based on the candidate's qualifications and experience. If you want to be considered, please send your resume to jobs.devel@VPIphotonics.com.

About VPIphotonics

VPIphotonics sets the industry standard for end-to-end photonic design automation, comprising design, analysis, and optimization of components, systems, and networks. We provide professional simulation software and professional consulting services. Our award-winning solutions are used extensively in research and development by product design and marketing teams at hundreds of corporations and over 160 academic institutions worldwide. For more information, visit www.VPIphotonics.com