Senior Physical Design Engineer (m/f/d)

For our Benelux Team we are looking for a Senior Physical Design Engineer for our implementation team working on a game-changing hardware and software platform for AI at the edge. You will engage with R&D, Architecture and DFT to arrive at an optimal chip planning early in the design cycle. You will be part of our physical design team to comprehend design challenges. You will play a critical role in the physical implementation and sign-off of our architecture.

Your role
Your role will mainly include the following:

- Digital Backend flow setup and maintenance
- ASIC Backend Implementation (RTL to GDSII)
- Perform PnR, RC extraction and power analysis
- Sign-off of the design layout
- Coordinate with packaging houses and optimize the physical implementation

Your profile
- M.Sc/PhD. in Computer Science/ Computer Engineering /Electrical Engineering
- 5+ years of experience in Physical Digital Design
- Experience in running physical-aware logic synthesis and achieving optimal synthesis QoR on low power designs
- Knowledge of static timing analysis, defining timing constraints and exceptions, corners/voltage definitions
- Experience in multiple EDA tools for P&R, STA, Physical verification, Power grid verification, synthesis, DFT, and LP checks
- Familiarity with methodologies and design flows using FinFET technologies
- Automation skills in Python, TCL or Perl are a big plus
- Good oral and written communication skills
- Fluency in English, both in speaking and writing is a must
- You are a team player and you are also able to autonomously plan and perform your tasks
- You have a strong sense of responsibility and want to realize high ambitions

Who we are
Axelera AI is a truly European deep-tech Start Up company which is developing a game-changing hardware and software platform for AI at the edge that will make the industry more integrated, efficient and accessible. Our mission is to spread artificial intelligence for a green, fair, trusted and safe world enabling new application of AI in diverse sectors like smart cities, retail and other markets. Our company is a spin-off from a multinational deep-tech group and is backed by a strong syndicate of institutional investors. We have an extraordinary and international team of top talented researchers and developers working in the headquarter in Eindhoven (NL) and in the branch offices in Leuven (BE), Zurich (CH) and Pisa (IT).

What we offer

Take the chance to become part of a dynamic, fast-growing, international organization. We offer an attractive compensation package, including a pension plan, extensive employee insurances and the option to get company shares.

An open culture that not only supports creativity and continual innovation is awaiting you. Collaborative ownership and freedom with responsibility is characteristic for the way we act and work as a team.

Interested?

Great! We are looking forward to receiving your application! For any further questions or information, please feel free to contact Heike Wilfling, HR Business Partner, careers@axelera.ai. For further information on Axelera AI please also have a look on our website: www.axelera.ai

Do you want to stay informed about our journey and our current vacancies? Follow us on Linkedin