



Zurich, 07.06.2020

Junior Analog Design Engineer

3db Access is a pioneer of secure low power single-chip UWB technology with standardized within IEEE 802.15.4/4z scientifically proven secure ranging. 3db UWB IP is in mass production in the automotive industry and provides lowest power consumption on the market for passive entry and start systems and smallest silicon area.

Our technical pursuit is centimeter-precise, low-power and secure UWB location technology. Our market vision is to lead next generation keyless access control to vehicles, buildings, and mobile payments as well as centimeter-precise indoor and outdoor localization for tracking and navigation such as industrial and home automation, wearable technology, and IoT.

About the role

Are you aspiring to apply your engineering skills to IC design in advanced technology nodes? Do you thrive on working in a multi-cultural team and colleagues with strong experience in RF and digital communication design? Do you like supporting industrial and university partners? Are you hardworking and have the courage to challenge your colleagues, accomplish tasks in a reliable and autonomous way?

If your answers are yes and the main responsibilities below seem attractive to you, please send us your CV and cover letter on <https://www.3db-access.com/contact>

Your main responsibilities will include:

- Contributing to the analog design of complex UWB IC for the automotive industry
- Development of analog circuit blocks including simulation, layout, post layout validation, and characterization
- Verifying developed circuits and debugging complex behaviours in the lab
- Documenting in a precise and timely manner

About you

Technical skills and education

- M.Sc. or Ph.D. degree in electrical engineering, preferably with specialisation in microelectronics
- Experience in designing analog circuits, preferably RF circuits
- Knowledge in EDA tools such as Cadence
- Strong mathematical, statistical, analytical and conceptual skills
- Precise and clear documenting methodology and written expression
- Very good spoken and written communication skills in English

Personal skills and interests

- With you we win a standout colleague, who contributes actively to our start-up team spirit
- High degree of own initiative and interest for interdisciplinary work
- You have strong interest in growing your expertise in analog circuit design for UWB applications
- You approach problems with curiosity and flexibility, are a fast learner and take responsibility