

The **Carinthia University of Applied Sciences (CUAS)** sets high academic standards in an excellent location in Southern Austria where education, culture and technology are optimally combined. We ensure modern and application oriented degree programs in the field of Engineering, Management, Health Science and Social Work at superbly equipped FH-sites, with excellent teaching and research staff complemented by part-time lecturers from industry and international guest lecturers. Details can be found on our website: www.fh-kaernten.at.

The „**Research LAB for RF Frontends**“ at CUAS in cooperation with „**Silicon Austria Labs**“ (silicon-austria-labs.com) is looking for applicants for the following position:

Senior Researcher / Postdoctoral Fellow in Integrated Circuit Design (m/f/d)

Your tasks:

- Research on integrated circuits and systems for wireless and wireline communication transceivers based on advanced CMOS technologies
- Design of analog/mixed-signal building blocks like frequency synthesizers, AD-DA converter or “digital” RF transceivers
- RF transceiver signal processing (e.g. self-interference and cross-talk cancelation or digital pre-distortion)
- Full-custom layout of RF and high-speed building blocks
- Candidates are expected to conduct independent research and publish his/her research work in respected journals and conferences
- Close collaboration with external industrial partners and research institutes
- Supervision of graduate students

Your profile:

- PhD degree in Electrical or Electronics Engineering with a focus on integrated circuit design, or equivalent working / research experience
- Several years of hands-on experience in a specific field of integrated circuit design (e.g. RF design, ADC/DAC design or clocking synthesizers).
- Familiar with required IC design CAD tools like Cadence (Virtuoso, Spectre)
- Experienced in full-custom layout with modern CMOS technologies, including top-level design for flip-chip bonding, ESD protection and power routing
- Experienced in research collaboration with industrial and academic partners

Our offer:

The Carinthia University of Applied Sciences provides a professional and inspiring environment for high-level applied research in close cooperation with industry and other research institutes. We appreciate the motivation and the great commitment of our employees and offers attractive and family-friendly conditions.

Extent of employment: full-time position (40 hours per week)

Limitation: permanent

Minimum Salary: EUR 44.091,32 (yearly gross salary; negotiable - depending on your qualifications and professional experience)

Beginning: as soon as possible

Location: Campus Villach, Europastrasse 4, 9524 Villach-St. Magdalen, Austria

Application deadline: Open till filled. Early application advisable.

Here you can find impressions of working and living in Villach/Carinthia, Austria:

<https://www.welcome2villach.at/>
[Carinthia - It's my life / MONTE NERO Productions - YouTube](#)

If you are interested in this position, please submit your full application via our website:
www.fh-kaernten.at/jobs.

Requested documents:

- Cover letter
- Detailed curriculum vitae with education and research experience
- Proof of relevant experiences
- Electronic copies of up to five recent relevant publications
- Contact information of two referees (optional)

Note: Hearing will be organized as online-Meeting using Microsoft Teams.

We look forward to receiving your application!