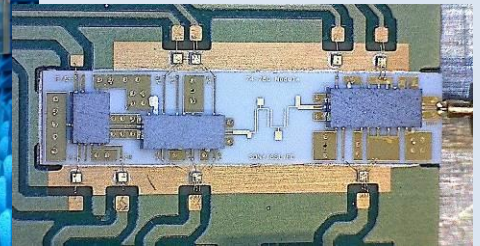


# SONY



Sony is one of the most innovative companies and drives technology creation through a global network of research centers. The **Stuttgart Technology Center** hosts the Material Science Laboratory MSL and the **European Technology Center EuTEC** which are two major labs in this network.

The RF-Devices Group in the European Technology Center (EuTEC) focuses on technology innovations, research and development of the physical layer in next generation broadcast / broadband communications systems, advanced millimeter wave sensors, and radar systems. The results of the research will define the core technologies for future products and new business opportunities for Sony.

We are currently seeking for a skilled

## **Research Engineer / Master / PhD / Dr.-Ing. (m/f)** ***Digital Signal Processing for Sensor & Communications Systems***

This work is conducted in the Sony European R&D centre in Stuttgart/Germany.

### **Tasks**

- Research and development of digital signal processing solutions for communications and sensor based systems
- Parameter tracking and fusion of information provided by different technologies
- System design, algorithm development, and performance verification by simulation
- Presentation and documentation of the results

### **We offer**

- The opportunity to work in an international team with diverse expertise ranging from RF to low layer signal processing for communication and sensor systems
- The chance to apply your skills and theoretical knowledge in state-of-the art signal processing R&D topics

### **Skills required**

- Master, similar or higher qualification in the areas of communications engineering, digital signal processing or applied mathematics
- Strong analytical skills and good theoretical understanding of statistical and adaptive signal processing, target tracking, and communications systems
- Ability to apply theoretical and mathematical knowledge to scientific and engineering challenges
- Demonstrated experience in modeling of systems and algorithms using state-of-the-art simulation tools, i.e. MATLAB/SIMULINK or C/C++
- Practical experience in indoor positioning technologies, Kalman and particle filtering, sensor calibration, and sensor fusion methods is an advantage
- Self-motivation, flexibility and ability to learn and apply knowledge in new area of technology
- Willingness to travel
- Interest in working in an international team and fluency in English (written and spoken)

**We are looking forward to receiving your application. Please send your application to:**

Sony Deutschland GmbH, Stuttgart Technology Center, Attn. Ms. Denise Biermann, Hedelfinger Straße 61, 70327 Stuttgart, [denise.biermann@eu.sony.com](mailto:denise.biermann@eu.sony.com). For inquiries (German/English) please consult +49/711-5858-299