



Digital Audio and Speech Processing Researcher

About the company

QploX is a fast growing company offering test and automation engineering. Headquartered in Leuven, our clients are major multinational enterprises and local companies from automotive, semiconductors, RF, consumer electronics.... Our consultancy department offers services in RF, semiconductors and electronics design at egnend test. Our Test automation group offers a one stop shop for design of test benches, system integration production and lab automation solutions.

Job Description

The position focuses on digital signal processing for Speech and Music on mobile devices. We deliver key software components, like acoustic echo cancellation, multi-microphone noise suppression, speaker protection, speaker optimization and many more. Our engineering team is involved in research, in cooperation with universities, advanced development and product development. We are also supporting customers and regional teams with the integration of audio products in devices, platforms and frameworks.

We have an opportunity for a creative, passionate and hands-on researcher with a solid background in voice processing, audio processing or acoustics.

Responsibilities

- As a member of the technology development team, you are creating the next generation voice and audio products for Mobile Audio Solutions.
- You will explore different solutions, and refine the selected solution into a state-of-the art algorithm that is robust and user friendly, and ready for product development.
- Together with the team, you are also scouting for new technologies from research institutes, guiding PhD projects, coaching product development and customer project teams when deep algorithm knowledge is required.
- You will also interact with customers to represent our technology expertise and learn about customer needs and requirements as input for algorithm development.

Candidate Description

- Masters or PhD in Electronics Engineering
 - Thorough knowledge of digital signal processing theory
 - Good knowledge about speech processing, audio, machine learning, acoustics and transducers (loudspeakers, microphones, headphones)
 - Experience with algorithm design in Matlab/Simulink
 - Familiar with acoustical measurement set-ups and techniques
 - Familiar with subjective and objective audio quality evaluation (standardization, listening tests, objective metrics, etc.)
 - Affinity with software development and testing and understanding the requirements for software product
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development

- Notions of audio amplification techniques and architectures
- Creative and passionate working attitude.
- Communicative team player working in an international environment with different cultures
- Drive for high quality deliverables
- Able to drive activities to closure, including proper communication in the organization
- Prepared to travel to Asia and US to meet with customers.

Experience level

- Passion in signal processing and speech are more important than years of experience. Ideally you have a solid experience (5 years or more) with algorithm development in the speech domain, either from research or from industry.

We offer

An attractive salary package with extra benefits. A high tech, multicultural and young ambient. A fast track in a growing company. Formation in multidisciplinary environment plenty of learning opportunities.

Contact

Send your CV and application letter to jobs@qplox.com with the subject "Test automation engineer"
