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| Vacancy Name : **Senior DSP Research Engineer** Location City : Athens Location Country : Greece **About u-blox** Swiss-based u-blox (SIX: UBXN) is the global leader in wireless and positioning semiconductors for the automotive, industrial and consumer markets. Our solutions enable people, vehicles and machines to locate their exact position and wirelessly communicate via voice, text or video. With a broad portfolio of chips, modules and software solutions, u-blox is uniquely positioned to allow OEMs to develop innovative solutions that enable mobility quickly and cost-effectively. With headquarters in Thalwil, Switzerland, u-blox is globally present with offices in Europe, Asia and the USA.**Job Description** **Job Goals**The DSP research engineer contributes to the physical layer development workflow with innovative, yet feasible ideas which are relevant to the company’s short-range wireless communications products.Designs, implements and uses simulation software for research on inter-disciplinary domains of wireless communications.Promotes the DSP team’s work on standardization or other dissemination activities.**Primary Tasks** * Maintain awareness of the state-of-the-art in the field of baseband DSP algorithms
* Investigate innovative simulation technologies and best practices
* Contribute to the design and implementation of inter-disciplinary simulation platforms
* Produce technical documentation and presentation material related to the activities above

**Secondary Tasks** * Participate in standardization and dissemination activities related to the primary tasks
* Propose improvements to current products which are applicable for SDR implementation
* Provide input to the specification of new products based on simulation studies
* Participate actively on team’s meetings

**Responsibility** * Responsibility for all defined tasks and delivery within the predefined time limits
* Regular reporting on status and deviations to the plan

**Profile** * Phd or Masters in Science or Engineering with a focus on the physical layer of wireless communications
* 3+ years of experience with algorithm design for wireless transceivers and associated simulation workflows
* Excellent modeling and simulation skills using MATLAB
* Good programming skills (C, C++)
* Awareness of the wireless communications landscape. 802.11 knowledge in particular is an advantage
* Knowledge on vehicular communications (ITS-G5, C-V2X) will be considered an asset
* Basic understanding of radio propagation and modeling
* Understanding of real-time hardware / software constraints
* Good knowledge in software development quality and process work
* Strive for innovation and adoption of leading edge solutions
* Excellent English skills
* Good documentation and presentation skills
* Used to work independently and precisely
* Strong external focus, full awareness of competitive edge solutions
* Experience with version control systems
* Greek (or EU) citizen or holder of a valid Greek work permit

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