



## CAD/Technology Development Engineer

### Duties:

- ✓ Be the contact point with Foundries' Technology Engineering Teams, across design cycles and relevant technology nodes.
- ✓ Access and process Foundry Technology packages containing Logic and Mixed Signal data used to setup CI internal Physical Design Kits, including, but not limited to: Physical Verification Decks, Analogue Device Libraries, Device modelling packages. Maintain in CI Intranet the process documentation for applicable foundries.
- ✓ Develop Physical Design Kits tailored for CI-flow, based on the packages received from foundries, creating and running applicable QA test-benches, following strict rules for package organization both in file-systems and on CI intranet; Create and deploy Physical Design Kit documentation reflecting up-to-date PDK contents and usage instructions, FAQs, etc.
- ✓ Assist Engineering teams with Technology Support Requests, providing work-around solutions for technology package problems encountered during design, either resulting from technology package mis-preparation, either from inappropriate use.

### Requirements:

- ✓ University degree in Electronic Engineering, Informatics, Physics or similar
- ✓ Scripting (Perl, Python, etc) skills in a UNIX/Linux environment (np. Python, Perl, csh, etc.)
- ✓ Good knowledge of English
- ✓ Mathematical and statistical knowledge
- ✓ Strong "problem-solving" capabilities
- ✓ Relationship Building and Teamwork

### Preferential Requirements:

- ✓ System Level Mixed Signal Design Knowledge
- ✓ Analog, Mixed Signal and EDA Tools
- ✓ Process Fabrication, Modeling and Design Rules Knowledge for Semiconductors
- ✓ Experience with Cadence design environment and Synopsys and Mentor Graphics tools such as HSpice, NanoSim, Calibre, etc
- ✓ Experience with "back-end" verification tools for DRC, LVS and Extraction (DIVA, Assura, Calibre, Hercules, StarRCXT)
- ✓ Experience in SKILL programming is strongly desirable

### We Offer:

- ✓ A young, stimulating, exciting and dynamic work environment, where your personal contributions to our business success will be optimally rewarded.
- ✓ Room for personal and career growth.

Please send your application, resume and motivation to: [jobs.gdansk@chipidea.mips.com](mailto:jobs.gdansk@chipidea.mips.com) - Website <http://www.chipidea.mips.com/>