



## **R&D Engineer (Farmington Hills, MI)**

### Job Description:

- Improve the output GPS positioning solution from commercial positioning system especially in GPS challenging environment such as urban driving
- Improve map-matching algorithm
- Work with the active safety and mobility team members to integrate this solution in the V2X applications
- Work on sensor fusion toward automated vehicle systems. This includes V2X connected vehicles data with other sensors such as radar and vision
- Develop strong IP portfolio in this domain

### The following experience and skills are required:

- Minimum of 3 years experience in GPS, INS and map matching. Familiar with UBLOX positioning device and other commercial positioning devices
- Master Degrees in EE
- Strong in state estimation including Kalman filter approach
- Has connected vehicle domain knowledge including the related standard and data dictionaries. Example: J2735
- Very strong addition to have experience in Active Safety/ADAS systems and algorithms
- Very strong addition to have experience in sensor fusion between Active Safety/ADAS systems and positioning systems
- Preferred with Simulation skills
- Good Matlab/Simulink, C programming, and Canalyzer and Simulation Skills