Why Join

ZENUITY is a pure software company with the mission of elevating people's lives by making self driving cars real. Being a joint venture between Volvo Cars and Autoliv from April 2017 we are a truly modern start-up with high energy, dedication and passion. Zenuity uses a disruptive, never-been-seen before, business model to produce world-leading competence in key technology areas. Delivering leading advanced driver assistance, highly automated driving, and cloud based Automotive software, we are dedicated to transforming the automotive industry and catapulting into the future of transportation.

What You Will Do

As a Senior Mathematician Optimization and Stochastics focusing on sensor fusion, you will be part of an agile team developing, evaluating, implementing, integrating and testing fusion algorithms for multi-sensor multi-object tracking and track-to-track fusion. You will also be responsible for ensuring a robust tracking performance in variations of environmental and weather conditions, as well as using both high-end reference sensors and affordable automotive level sensors (radar, lidar, vision). You will work in modern simulation environments and have direct access to vehicles to rapidly experience your results first-hand. You will be part of an agile company where development teams are responsible for all technical decisions regarding their product including the necessary synchronization with other regional or global teams..

Necessary Skills

The successful applicant will hold a Master's Degree in Mechatronics, Telecommunications, Computer Science, Applied Physics or Applied Mathematics, along with at least 5 years of industry experience in developing software for systems where predictable and highly reliable operations are essential. For this position you also require at least 2 years experience in working with Functional Safety standards (ISO 26262).

Beneficial Skills

Skills and experience in Ada related programming languages are beneficial. It would also be beneficial, although not mandatory with experience from vehicle dynamics, restraints, braking and steering systems. Professional/ performance driving skills are a plus.