【大手外資系自動車技術】システム検証リード｜ADAS・車載カメラ

評価・検証をリードし、チーム管理や技術選定にも携われるポジション。

Job Information

Recruiter
Morgan McKinley

Job ID
1621005

Industry
Bank, Trust Bank

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
Negotiable, based on experience

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General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

世界的な自動車テクノロジー企業にて、ADASや車載センシングシステムの検証をリードするポジションです。

カメラ・レーダーなどの先端技術を対象に、検証戦略の策定からチーム統括、国内外の自動車メーカーとの技術連携まで幅広く担当。

グローバルな開発環境で、技術力とリーダーシップを発揮できます。

主な職務内容

- **システム検証・評価の計画と推進**：システム統合、検証・妥当性確認の戦略立案から、リソース・予算管理までを担当。
- **検証チームの統括**：SIL・HIL・実車テストの結果を集約し、検証プロジェクトを推進。
- **センサー性能の評価**：カメラ・レーダーの性能、検知の信頼性、国際的な安全評価基準に対応した検証方法を策定。

- **チームの指導・育成**：システムテストリードやシステム統合テストリードを指導・支援。
- **テスト環境の整備**：機能安全規格に準拠したテスト環境を構築・維持。
- **故障分析・検証手法の改善**：FMEA（故障モード影響解析）を活用してセンサー固有の故障要因を分析し、適切な検証方法を導入。
- **変更管理・進捗調整**：技術プロジェクトマネージャーと連携し、設計変更に伴うテスト予算やスケジュールを調整。
- **経営層・顧客への報告**：主要な性能指標（KPI）を経営層に報告し、自動車メーカーとの共同テストを調整。

Are you an experienced **ADAS Validation Engineer or Automotive Systems Testing Specialist** looking to take the next step into technical leadership in Japan's automotive industry?

Join a world-leading automotive technology group in Tokyo as an **ADAS System Validation Engineering Lead**, where you will oversee system integration, verification, and validation activities for next-generation **Driver Monitoring Systems (DMS), Occupant Monitoring Systems (OMS), and in-cabin sensing technologies**.

In this position, you will define and execute comprehensive validation strategies across **Software-in-the-Loop (SIL), Hardware-in-the-Loop (HIL), and vehicle-level testing**, ensuring advanced camera and radar systems meet demanding performance, safety, and quality requirements.

Working closely with global engineering teams, technical project managers, and major automotive manufacturers, you will lead validation sub-projects, mentor technical specialists, and drive successful delivery against **Quality, Cost, and Delivery (QCD)** objectives.

This opportunity is ideal for engineers with experience in **ADAS system validation, automotive camera testing, embedded systems, or automotive functional safety** who want to lead technically challenging projects shaping the future of intelligent vehicle safety.

Key Responsibilities

- **ADAS System Validation Strategy:** Define, plan, and execute comprehensive system integration, verification, and validation strategies for advanced driver-assistance systems and in-cabin sensing technologies.
- **SIL, HIL, and Vehicle-Level Testing:** Lead validation activities across Software-in-the-Loop, Hardware-in-the-Loop, and real-vehicle testing environments, consolidating results to assess overall system performance.
- **Camera and Radar Validation:** Develop and implement testing strategies for automotive camera and radar technologies, focusing on detection accuracy, system robustness, and compliance with applicable safety assessment requirements.
- **Technical Team Leadership:** Direct, coordinate, and mentor **System Test Leads and System Integration Test Leads**, ensuring effective execution of validation activities across multiple engineering teams.
- **Test Environment Development:** Establish, maintain, and improve system testing environments that support reliable verification and comply with relevant automotive functional safety requirements.
- **Failure Analysis and Risk Management:** Apply **Failure Mode and Effects Analysis (FMEA)** to identify sensor-related failure modes, evaluate technical risks, and implement targeted validation methods.
- **Project Planning and Resource Management:** Coordinate validation schedules, technical resources, and testing budgets to ensure alignment with project milestones and business objectives.
- **Engineering Change Management:** Collaborate with technical project managers to assess engineering changes, evaluate their impact on validation activities, and adjust testing plans, budgets, and timelines.
- **Performance Reporting and KPI Management:** Monitor validation performance indicators, consolidate testing outcomes, and communicate project progress, technical risks, and results to senior management.
- **Automotive OEM Collaboration:** Coordinate directly with automotive customers on joint testing activities, technical evaluations, and validation requirements.
- **Domestic Testing Activities:** Participate in domestic testing evaluations and technical visits, including approximately weekly day trips when required.

Required Skills

必須条件 経験・資格：

- 自動車業界におけるシステム検証・評価の実務経験 3年以上
- **車載カメラ製品**または**ADAS**（先進運転支援システム）の開発・検証経験
- テスト計画の策定、スケジュール管理、技術リスク管理の実績
- 週1回程度の日帰り出張に対応できる方（国内の試験・評価業務等のため）

ソフトスキル：

- コミュニケーション能力
- 分析力、問題解決力
- 高い品質意識、オーナーシップ
- 計画力、調整力

語学力：

- **日本語：** 上級ビジネスレベル以上
- **英語：** ビジネスレベル（海外チームとの連携や報告ができること）

歓迎条件

- **ADAS、DMS**（ドライバーモニタリングシステム）、**OMS**（乗員モニタリングシステム）の開発経験

- 車室内のカメラ・レーダーセンシング、画像処理、コンピュータビジョン、レーダー信号処理に関する知識
- 組み込みシステムのアーキテクチャ、システム統合、Automotive SPICE（SYS.4・SYS.5）に関する知識
- Euro NCAP、GTRなどの安全規制・評価基準に関する知識

採用企業について
大手外資系自動車テクノロジー。

先進運転支援システム（ADAS）、電動化、車室内インテリジェンス技術を手がけるグローバル企業です。

電子技術部門では国内外の大手自動車メーカーと直接連携。安全性が求められる次世代モビリティ技術の開発を推進しています。

この求人がおすすめの理由
- **技術リーダーとしてのキャリアアップ：**評価・検証プロジェクトを主導し、チームマネジメントや技術的な意思決定に携われます。
- **最先端の自動車技術：**ADAS、車載カメラ・レーダー、DMS・OMSなど、次世代の安全技術の開発に参画できます。
- **高度な検証技術の習得：**SIL・HIL・実車試験を通じて、システム検証の専門性を高められます。
- **グローバルな開発環境：**海外R&Dチームや各分野の専門エンジニアと協働できます。
- **大手自動車メーカーとの協業：**自動車メーカーとの共同試験や技術評価を通じ、実践的な経験を積めます。
- **柔軟な働き方：**リモートワークやフレックスタイム制度を利用できます。
- **長期的なキャリア形成：**リーダーシップを磨きながら、技術スペシャリストやマネジメント職へのキャリアアップを目指せます。

Required Skills and Qualifications **Experience:**
- **3+ years of professional experience in automotive system validation, verification, or system testing** , preferably involving safety-critical automotive electronics or advanced vehicle technologies.
- Demonstrated experience in the development, testing, or verification of **automotive camera systems or Advanced Driver Assistance Systems (ADAS)**.
- Proven experience in **test planning, validation scheduling, progress tracking, and technical risk management** within automotive engineering projects.
- Practical understanding of system integration, verification, and validation processes used in automotive product development.
- Ability to coordinate testing activities across multiple engineering disciplines and manage validation requirements throughout the development lifecycle.
- Willingness to travel domestically for testing and technical evaluations, including approximately one day trip per week when required.

Soft Skills:
- Strong **analytical and systematic problem-solving abilities**, with the capacity to investigate complex technical issues and identify effective solutions.
- Demonstrated technical leadership and coordination skills, with the ability to guide engineering teams and manage validation priorities.
- Excellent communication and stakeholder management skills when collaborating with automotive customers, international engineering teams, and project managers.
- Strong organisational abilities, including the capacity to manage schedules, technical risks, and multiple validation activities.
- Proactive and results-oriented mindset, with a commitment to maintaining high standards of engineering quality and system reliability.
- Ability to communicate technical findings clearly through structured reports, performance updates, and engineering discussions.

Language Requirements:
- **Japanese:** Business-level proficiency for technical discussions, requirements alignment, and coordination with Japanese automotive customers and local engineering teams.
- **English:** Business-level proficiency for collaboration with international engineering teams, technical reporting, and cross-border project communication.

Preferred Skills & Qualifications
- **ADAS Development and Validation:** Experience developing or validating Advanced Driver Assistance Systems, Driver Monitoring Systems (DMS), or Occupant Monitoring Systems (OMS).
- **Camera and Radar Technologies:** In-depth knowledge of automotive camera systems, radar-based sensing, and in-cabin monitoring technologies.
- **Computer Vision and Signal Processing:** Experience or technical understanding of image processing, computer vision, radar signal processing, or sensor performance evaluation.
- **SIL and HIL Testing:** Hands-on experience with Software-in-the-Loop, Hardware-in-the-Loop, or vehicle-level system validation methodologies.
- **Embedded Systems and Integration:** Understanding of automotive embedded systems architecture, system integration, and verification processes.
- **Automotive SPICE (ASPICE):** Familiarity with automotive development process standards, particularly **SYS.4 (System Integration and Integration Test)** and **SYS.5 (System Qualification Test)** .
- **Automotive Safety Standards:** Knowledge of relevant automotive safety regulations, performance assessment frameworks, or testing protocols, including **Euro NCAP and Global Technical Regulations (GTR)** .
- **Engineering Risk Analysis:** Experience using FMEA or similar structured methodologies to identify potential failures and strengthen system validation strategies.

About the Company
Our client is a **world-leading automotive technology group** specialising in advanced driver-assistance systems, vehicle electrification, intelligent cabin technologies, and next-generation mobility solutions.

Operating internationally, the organisation works closely with major automotive manufacturers to develop sophisticated electronic systems that support safer, more intelligent, and increasingly automated vehicles.

Its electronics engineering division plays a key role in developing and validating **ADAS, automotive sensing systems, embedded electronics, and safety-critical mobility technologies**.

Through collaboration between international R&D centres, engineering specialists, and automotive OEM partners, the company delivers innovative automotive technologies designed to meet demanding performance, reliability, and safety requirements.

With a strong focus on engineering excellence and technological innovation, the organisation offers an environment where experienced engineers can contribute to complex global development programmes while advancing their technical expertise.

Joining this company provides the opportunity to work at the forefront of automotive innovation and contribute to technologies shaping the future of intelligent transportation.

Why You'll Love Working Here

- **Technical Leadership Opportunities:** Lead system validation and verification activities for advanced automotive technologies, taking ownership of critical engineering deliverables and guiding technical teams.
- **Cutting-Edge ADAS and In-Cabin Sensing:** Work on flagship global projects involving **camera-based vision systems, radar technologies, Driver Monitoring Systems, and Occupant Monitoring Systems**.
- **Advanced Testing Technologies:** Gain valuable experience developing and executing validation strategies across SIL, HIL, and vehicle-level testing environments.
- **Global Engineering Collaboration:** Work alongside international R&D teams, technical project managers, and automotive engineering specialists on complex development programmes.
- **Direct Automotive OEM Exposure:** Collaborate with major automotive manufacturers on technical evaluations, joint testing activities, and system validation requirements.
- **Flexible Working Arrangements:** Benefit from **remote work and flexible working hours**, supporting greater flexibility in managing professional responsibilities.
- **Professional Development:** Strengthen your expertise in automotive functional safety, system integration, validation leadership, and advanced sensing technologies.
- **Innovation-Driven Environment:** Join an established global automotive technology organisation focused on developing next-generation mobility and intelligent vehicle systems.
- **Permanent Career Opportunity:** Build your long-term career within a global automotive engineering organisation while contributing to high-impact technology projects.

Company Description

Morgan McKinleyは国際的な人材コンサルティング会社として、さまざまな業界・分野をリードする採用企業様と、スペシャリストとしてのスキルを有する人材とを結びつけるお手伝いをしています。1988年の創立以来、Morgan McKinleyの名は、「卓越した質のサービス」「市場知識の豊富さ」「No.1企業であり続けようとする強い意志」、そして何よりも「実績」を体現する会社として知られています。

リクルーティング スペシャリストである弊社コンサルタントまでお気軽にお問い合わせください。