

简历 / 042860

个人信息

出生年月: 1980 年 12 月, 男 电话: (+86) 185 1604 2860 邮箱: 042860@163.com

教育背景: 天津大学, 动力机械工程专业, 本科+ 硕士研究生, 1998-2005

职业经历

03/2011~今: PSA - Stellantis 中国技术中心 >11.5 年

12/2021 - 今: Stellantis, 动力总成系统软件控制及标定, 高级经理 (>60 员工)

1. 动力总成控制器软件开发 + 动力总成性能仿真:
 - BMS, OBC/DCDC, eMotor, eVCU 应用层软件开发: 基于 Autosar 架构, 需求定义、BMS SOX 计算逻辑, 集成、标定;
 - 动力系统仿真: 续航里程、混动综合油耗、动力性能
2. 动力总成系统标定
 - 子系统级别: BMS 标定[NCM, LFP], 发动机、自动变速箱、纯电 eVCU
 - 系统级别- xFCA GPEC 系统: GME, GSE, ZF 9AT, DDCT, PHEV 混合动力: SiEVT, P1P2, P1P4
 - 系统级别- xPSA SSTG 系统: EP, EB, Aisin 8AT, Getrag DCT, PHEV 混合动力 P2P4, BEV

07/2017 - 11/2021: PSA, 动力总成系统设计及标定, 高级经理 (>60 员工), 负责业务:

1. 动力电池功能设计:
 - 电芯级别充放电性能、发热性能及耐久性能仿真和测试、验证
 - 诊断、功能安全设计: 以 ASILD 为目标, ISO26262
 - 项目: 混动、纯电、48V; 涵盖化学体系: NCM[622, 811], LFP;
 - 与国内主流 Tier1 供应商合作: A123, CATL, FDP, Svolt, REPT.
2. 车辆的动力总成系统设计:
 - PHEV, BEV, ICE: 续航里程和综合油耗的仿真; 插电功能设计; 排放及后处理设计; 发动机燃烧设计;
3. 动力总成系统集成及标定:
 - ICE + 自动变速箱: 1.6L/1.8L TVDI + 8AT, 1.2L TGDI + 6DCT
 - PHEV 插电混合动力 P2+P4: 4x2, 4x4, 1.6L TVDI + e-8AT, 1.6L TGDI + eDCT
 - BEV 纯电动: 4x2
4. 研发车辆市场: 中国、欧洲及全球除北美外的其他区域
5. 其他横向项目:
 - 国 7 排放法规预研 (与 VECC 联合)
 - 基于新能源车辆 RMS 的大数据应用
(月度静态报告, 电池寿命预测, 电池故障预测, 电池热失控预测, predictive maintenance),
 - 大功率充电及固态电池前沿开发
 - 燃料电池前沿开发;

01/2016 - 06/2017: 自动变速箱及驾驶性标定科室经理(~15 Staff): Aisin 6AT, 8AT

01/2014 - 12/2015: 发动机标定科室经理(~12staff): 1.6L/1.8L NA, 1.2L TGDI, 1.6L/1.8L TGDI

01/2013 - 12/2014: 发动机标定项目负责人 1.6L TGDI

05/2012 - 12/2012: PSA 法国培训 (Technique centre de Belchamp)

03/2011 - 04/2012: 发动机标定项目负责人 2.0NA

经验技能

技术能力

动力电池功能仿真及设计开发, BMS 软件应用层控制策略开发;

传统、电动化动力总成系统设计、性能仿真、集成、标定和验证;

(电动化) 动力总成控制器软件的需求、逻辑定义及验证;

动力总成系统标定: BMS, 发动机, 自动变速箱、混合动力、纯电 eVCU

部门日常工作所用软件:

- Matlab simulink, CANoe, CANalyzer...

- INCA, Creta, Powercal, CDA, Diaglyzer, AVL Drive/Concerto...

团队管理技能

跨国公司内部跨部门间协调;

团队工作负荷、预算、及人力资源、设备资源管理;

团队能力建设、分工、培训;

供应商管理

语言能力

英语: 专业八级 TEM-8, CET-6, 日常工作语言

法语: 法盟培训 Level 2, 听说读写的基本能力

CV / 042860

Personnel Information

Birthday: Dec. /1980, Male Telephone: (+86) 185 1604 2860 Email: 042860@163.com
Education: bachelor & Master degree, internal combustion engine, Tianjin University, 1998-2005

Career Experience

03/2011~Now: PSA – Stellantis China Technical Center **>11.5 years**

12/2021 – Now: Stellantis, Propulsion System Control and Calibration, Senior Manager (>60 Staff)

1. Propulsion controller Software design + Propulsion performance simulation:
 - BMS, OBC/DCDC, eMotor, eVCU ASW: based on Autosar frame, Requirement specification, BMS SOX calculation algorithm, SW integration and calibration;
 - Propulsion performance simulation: eRange, Hybrid Fuel consumption, vehicle dynamic.
2. Propulsion system Calibration and Validation
 - Sub-system level: BMS calibration[NCM, LFP], engine, AT, **BEV** eVCU
 - System level - xFCA GPEC system: GME, GSE, ZF 9AT, DDCT, **PHEV**: SiEVT, P1P2, P1P4
 - System level - xPSA SSTG system: EP, EB, Aisin 8AT, Getrag DCT, **PHEV** P2P4, BEV

07/2017–11/2021: PSA, Powertrain System Design and Calibration Senior manager (>60 staff), business:

1. HV Battery functional design:
 - Cell level Performance, thermo, and durability simulation, test and validation
 - Functional safety and diagnosis design: target ASILD based on ISO26262
 - Project: PHEV, BEV, 48V; including NCM[622, 811], LFP chemistry
 - Cooperate with Tier-1 supplier: A123, CATL, FDP, Svolt, REPT.
2. Vehicle & (e)Powertrain system design:
 - PHEV, BEV, ICE: Autonomy and Consumption simulation, Plug-in Charging design, Emission After treatment design, engine combustion simulation;
3. (e)Powertrain system integration & calibration:
 - ICE + Automatic gearbox powertrain: 1.6L/1.8L TVDI + 8AT, 1.2L TGD + 6DCT
 - PHEV P2+P4: 4x2, 4x4, 1.6L TVDI + e-8AT, 1.6L TGD + eDCT
 - BEV: 4x2
4. Developing Vehicles for market: China + Europe + worldwide except North American
5. Others project:
 - China7 regulation pre-study with VECC
 - **Big data machine learning based on NEV RMS (battery SOH prediction, defect prediction, Thermo Run-Away prediction, predictive maintenance).**
 - High-Power charging and Solid state advance phase
 - FCV advance phase

01/2016 – 06/2017: AT Calib. section manager(~15 Staff): Aisin 6AT, 8AT

01/2014 – 12/2015: Engine Calib. section manager(~12staff): 1.6L/1.8L NA, 1.2L TGD, 1.6L/1.8L TGD

01/2013 – 12/2014: Engine calib. project leader for 1.6L TGD

05/2012 – 12/2012: Training in PSA France (Technique centre de Belchamp)

03/2011 – 04/2012 : Engine calib. leader for 2.0NA

03/2005~02/2011: UAES (JV of BOSCH GmbH) 6 years

EMS Project Application engineer, interface with customer, team leader for FAW customer group

Competence and Skills

Technical skills:

HV Battery system functional simulation and design, BMS control algorithm development
e-Powertrain system **V-cycle** development: simulation, integration, calibration and validation.
(e)Powertrain software requirement, algorithm design, and validation.
Propulsion system calibration: BMS, Engine, AT, PHEV, BEV eVCU

Often used SW tools by team daily work:

- Matlab simulink, CANoe, CANalyzer...
- INCA, Creta, Powercal, CDA, Diaglyzer, AVL Drive/Concerto...

Team Management/Soft skills:

Coordination between cross-department in a global company;
Team workload, budget, human and facility resource management;
Team competence, job-split, training, motivation management.
Supplier management

Language

English: TEM (*Test for English Major*) – Grade 8, CET (*College English Test*) - 6, Working language;
French: Level 2 in L'alliance Française, basic in reading, speaking, listening and writing;