

The Bosch Group's products and services are designed to fascinate, and to improve the quality of life by providing solutions which are both innovative and beneficial. In this way, the company offers technology worldwide that is "Invented for life."



BOSCH
Invented for life

Research Scientist – New Application Development for Internet of Things & Services

Corporate Research in Shanghai, China

Responsibilities:

- Lead and develop new application for the IoT selected domains of supply chain safety in food and drugs, and/or building energy management.
- Develop new technical concepts and business model
- Participation in large scale test-bed to generate proof-of-concept of new innovation
- Evaluation of technology trends in IoT in China
- Cooperation with our business units in technology transfer and business case analysis
- Analyze internet technology trends in China and Korea.

Requirements:

- Highly accomplished PhD studies in the field of computer science or electronics engineering.
- With 3-5 years research experience in either field of Cloud, Middleware or Wireless Sensor Network.
- Experience in Pre-development or proof of concept study (conceptualizing, design and implementing) of an IoT like solution.
- Experience with Java or C++.
- Entrepreneurial or business oriented mindset. (Added advantage)
- Innovative and creative, able to work independently to develop new solution.

Contact:

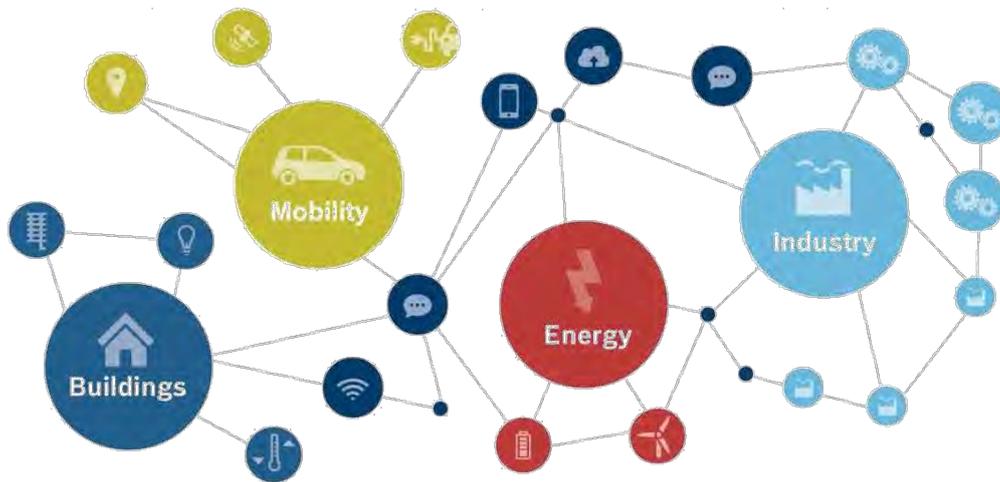
If you are interested please apply at <http://boschcareer.51job.com/index.php>

Or send CV with cover letter directly to Dr. Patrick Poa

Email: patrick.poa@cn.bosch.com

2nd April, 2014





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Research Scientist – Cloud Computing Technology for Internet of Things & Services

Corporate Research in Shanghai, China

Responsibilities:

- Lead and develop solution to address & fulfil the cloud technology requirements of the new IoT use cases
- Participate in technology scouting for establishing new IoT application (Healthcare & food/drug safety etc.)
- Establish close network with local research institutions and universities
- Cooperation with our business units in technology transfer and business case analysis
- Analyze IoT technology trends in China and Korea.

Requirements:

- Outstanding accomplishment of PhD study with a focus in Computer Science.
- Strong knowledge in the field Cloud Computing, concepts, service models (IaaS, PaaS, etc), distributed storage, data mining and future trends
- Experience in practical implementations - deployment models, security, workflow optimisation, scheduling of resources
- 3-5 years experience working in a corporate pre-development environment or proof of concept study of an IoT like solution.
- Results oriented Mindset
- Innovative, creative & systematic way of working for developing new solution.

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Research Scientist – Computer Vision for Automotive Applications

Corporate Research in Shanghai, China

Responsibilities:

- Develop innovative algorithm design and system engineering for a range of computer vision technologies in automotive application.
- Collaborate with local research communities and manage joint projects in computer vision.
- Cooperation with our business units in technology transfer and business case analysis.
- Derive local-for-local strategy.
- Analyze technology trends in China and identify key partners.

Requirements:

- Highly accomplished PhD studies in the field of computer science or electronics engineering.
- Strong knowledge in the research topic of automated object detection or pedestrian detection or visual event detection and recognition.
- Experience in real-time parallel implementations of algorithm.
- With 3-5 years research experience in embedded systems
- Good communication skills
- Innovative and creative, able to work independently to develop new solution.

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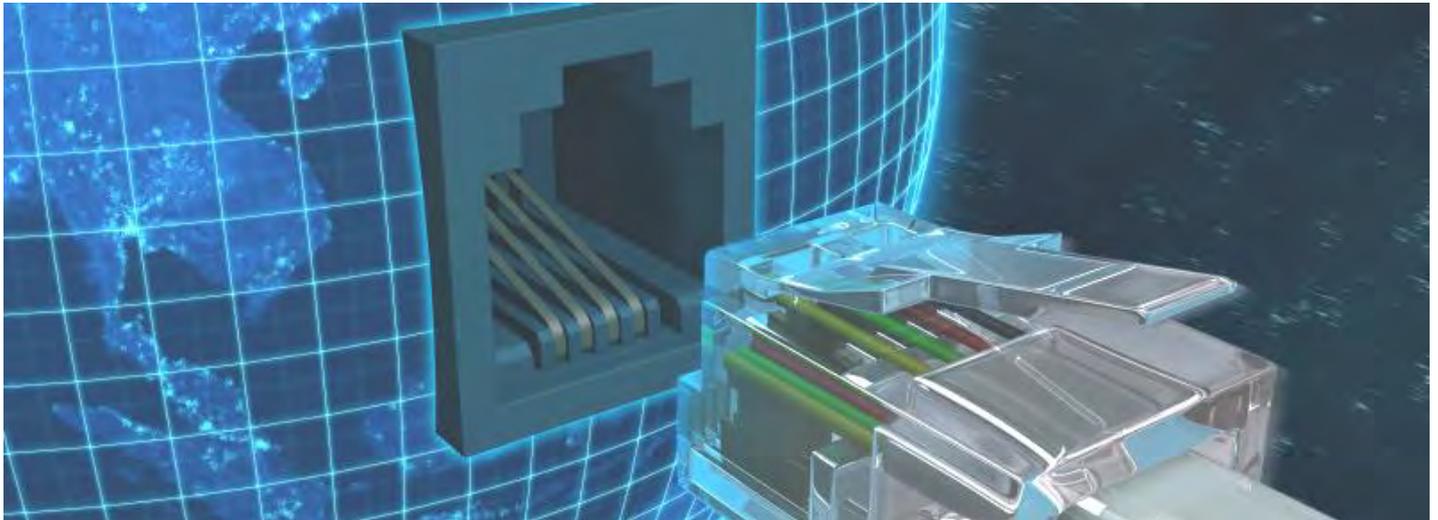
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Research Scientist – Middleware Technology for Internet of Things & Services

Corporate Research in Shanghai, China

Responsibilities:

- Lead and develop solution to address & fulfil the middleware technology requirements of the new IoT use cases
- Develop flexible functional module and open API for future Bosch IoT products & services.
- Participate in technology scouting for establishing new IoT application (Healthcare & food/drug safety etc.)
- Establish close network with local research institutions and universities
- Cooperation with our business units in technology transfer and business case analysis
- Analyze IoT technology trends in China and Korea.

Requirements:

- Outstanding accomplishment of PhD studies with a focus in computer science & information technology or related fields.
- With 3-5 years research experience in Distributed Computing: M2M, software architecture, middleware technology (eg. OSGI). Optional: Big Data
- Experience with Java or C++.
- 3-5 years experience working in a corporate pre-development environment or proof of concept study of an IoT like solution.
- Results oriented Mindset
- Innovative, creative & systematic way of working for developing new solution.

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Bosch Corporate Research and Advance Engineering in China are conducting in-depth research projects in technology fields which define the future business of Bosch in China and worldwide. We work in international teams of leading experts, using state-of-the-art equipment and know-how. Since we are committed to driving the development of New Energy Vehicles with our team in Shanghai, we continuously offer opportunities for talented engineers and scientists.

Driver Assistance /Automated Driving Research Engineer 驾驶辅助 / 自动驾驶研究工程师

Job description

- Research and development of Driver Assistance (DA) systems based on market and customer inputs
- Analyze the driving behavior and traffic condition in China
- Simulation, designing, prototyping and validation, including SW programming with different sensors, e.g. Radar, Lidar, Camera
- Research in technology fields relevant for vehicle safety and driver assistance systems, especially identification of new trends and emerging technologies in China
- Management of research projects with internal and external partners (universities, research institutes and OEMs)

Required knowledge and experience:

- Ph.D. (highly preferred) or Master degree in Automotive Engineering, Computer science or Information Engineering
- Including Ph.D. research, at least 3 years of experience (5 years for Master degree holder) in academic or industrial R&D in vehicle control or DA-related development, preferred: additional experience in real-time embedded system hardware or software
- Very good knowledge of vehicle dynamics, CN sensor industry and working principles on different DA-related sensors, preferred: familiar with both vehicle control and DA system evaluation based on simulation (CarSim, Matlab/Simulink), test bench and vehicle.
- International experience and/or a experience with automotive applications preferred but not required

Competencies and attributes:

- Strong interest in finding creative technical solutions and new technology concepts
- Self-motivated team-worker, ability to work independently and systematically
- Ability to develop new concepts and plans for development work, experience in project work
- Efficient, goal-oriented and structured working style
- Very good communication skills, fluent in English (oral and written), good presentation skills, German a plus but not required

Make it happen. Apply now.

Country: China

Location: Shanghai

Department: CR/RTC2-AP



Contact

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CR/RTC2-AP

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E-drive System Research Engineer

电驱动系统研究工程师

Job description

- Research and development of integrated e-drive systems (e-motor and gear) for electric vehicle (EV), including in-wheel system integration
- Simulation, designing, prototyping, and validating of EV powertrain components and subsystems
- Research in technology fields relevant for EV traction applications, especially identification of new trends and emerging technologies in China
- Management of research projects with internal and external partners (universities, research institutes and OEMs)

Required knowledge and experience

- Ph.D (highly preferred) or Master degree in automotive / mechanical engineering
- Including Ph.D research, at least 3 years of experience (5 years for Master degree holder) in academic or industrial R&D in e-drive system, preferred: experience in in-wheel drives, integrated e-motor/gear systems
- International experience and/or experience in automotive industry preferred but not required
- Knowledge in EV / Hybrid-EV powertrain topologies and components (e-motors / gear / inverter / battery etc.)
- Familiar with tools such as UG, ProE, Ansys and Matlab/Simulink
- Know-how in packaging, mechanical design or thermal management technologies; experience in chassis and suspension design a plus

Competencies and attributes

- Strong interest in finding creative technical solutions and new technology concepts
- Self-motivated team-worker, ability to work independently and systematically
- Ability to develop new concepts and plans for development work, experience in project work
- Efficient, goal-oriented and structured working style
- Very good communication skills, fluent in English (oral and written), good presentation skills, German a plus but not required

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Powertrain System Optimization Research Engineer

动力系统优化研究工程师

Job description

- Research and development of e-powertrain system (e-motor, inverter, gearbox, battery pack, etc) for EV / hybrid-EV, focus: multi-objective optimization
- Modeling, simulation and optimization of e-powertrain system
- Software / tool development for e-powertrain system optimization
- Research in technology fields relevant for e-powertrain, especially identification of new trends and emerging technologies in China
- Management of research projects with internal and external partners (universities, research institutes and OEMs)

Required knowledge and experience

- Ph.D (highly preferred) or Master degree in automotive / electrical engineering
- Including Ph.D research, at least 3 years of experience (5 years for Master degree holder) in academic or industrial R&D in e-powertrain system (EV / hybrid-EV)
- Experience in multi-physics e-powertrain simulation
- Experience with optimization using standard software (e.g. Matlab-optimization toolbox)
- International experience and/or experience in automotive industry preferred but not required
- Know-how in Matlab numerical coding; parallel coding skill for cluster calculation a plus

Competencies and attributes

- Strong interest in finding creative technical solutions and new technology concepts
- Self-motivated team-worker, ability to work independently and systematically
- Ability to develop new concepts and plans for development work, experience in project work
- Efficient, goal-oriented and structured working style
- Very good communication skills, fluent in English (oral and written), good presentation skills, German a plus but not required

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Country: China

Location: Shanghai

Department: CR/RTC2-AP



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E-powertrain System Research Engineer 电动动力系统研究工程师

Job description

- Research and development of e-powertrain system for electric vehicle (EV), focus: system design and validation
- Requirement analysis, specification of PT system and key components (e-motor, inverter, gearbox, battery pack)
- Modeling, simulation and optimization of e-powertrain system
- Research in technology fields relevant for e-powertrain, especially identification of new trends and emerging technologies in China
- Management of research projects with internal and external partners (universities, research institutes and OEMs)

Required knowledge and experience

- Ph.D (highly preferred) or Master degree in automotive engineering / electrical engineering
- Including Ph.D research, at least 3 years of experience (5 years for Master degree holder) in academic or industrial R&D in e-powertrain system (EV / hybrid-EV)
- Experience in e-powertrain system design / simulation / validation
- Experience with powertrain simulation and validation tools / facilities (e.g. Advisor, Cruise, Hardware in loop simulation, test bench, dynamometer)
- International experience and/or a experience in automotive industry preferred but not required
- Knowledge in V cycle development, EV/Hybrid-EV powertrain topologies and components (e-motors / gear / inverter / battery etc.)

Competencies and attributes

- Strong interest in finding creative technical solutions and new technology concepts
- Self-motivated team-worker, ability to work independently and systematically
- Ability to develop new concepts and plans for development work, experience in project work
- Efficient, goal-oriented and structured working style
- Very good communication skills, fluent in English (oral and written), good presentation skills, German a plus but not required

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