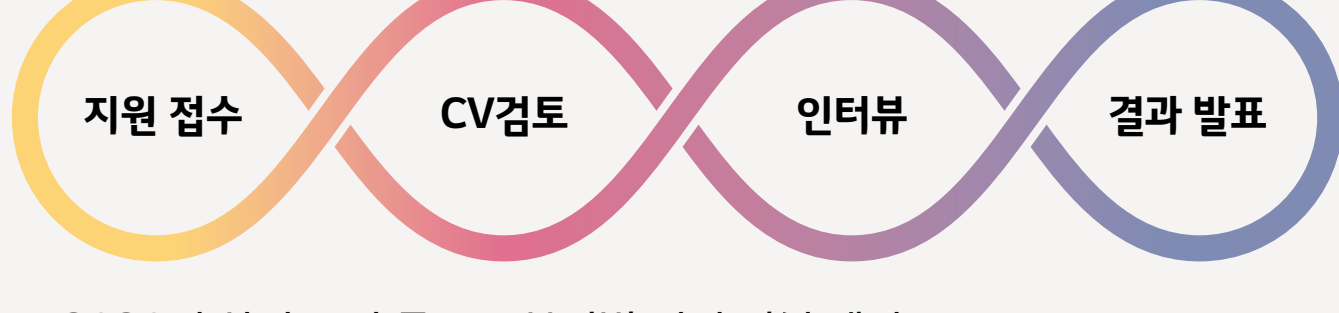


2020 LG전자 미국 R&D 석/박사 채용



모집 대상 이공계 석사, 박사과정 및 Post-Doc. (2022년 내 졸업 예정자)

지원 방법 Careers.lg.com 접속 ▶ Apply LG ▶ 회원가입 ▶ [LG전자] 2020 해외 우수 R&D 인재 채용 공고 클릭 ▶ CV제출



- 2020년 상시 모집 공고로 분기별 면접 전형 예정
- Tech Conference 초청은 2/16 접수 마감 후 3월 초 개별 연락 예정

문의처 Careers.lg.com ‘1대 1 문의하기’

LG Electronics Recruiting

* 약어 설명
- H&A : Home Appliance & Air Solution
- HE : Home Entertainment
- VS : Vehicle Component Solutions
- BS : Business Solutions

모집 분야	세부 내용	H&A	HE	VS	BS	CTO	로봇 사업 센터	생산 기술원
A.I (Artificial Intelligence)	<ul style="list-style-type: none"> Advanced Algorithm & Control Intelligence <ul style="list-style-type: none"> Machine Learning, Deep Learning, Reinforcement Learning R-CNN, LSTM/GLM, GAN, Auto ML, Meta-Learning, etc. 	•	•	•	•	•	•	•
	<ul style="list-style-type: none"> Cognitive Vision Intelligence <ul style="list-style-type: none"> Face Recognition, Vision Feature Extraction, Vision Data Augmentation, 3D Modeling People tracking, Motion Prediction, Behavior Algorithm, Path Planning 	•	•	•	•	•	•	•
	<ul style="list-style-type: none"> Voice Intelligence <ul style="list-style-type: none"> Legacy and DNN-based Multi-Channel Speech Enhancement Multi-modal based Speech Recognition, Speaker Recognition Deep learning based Natural Language Understanding, Dialog Modeling, Transfer Learning(word semantics) 	•	•	•	•	•	•	•
	<ul style="list-style-type: none"> Big Data <ul style="list-style-type: none"> Data Mining & Predictive Analysis Data collection / ETL / Dashboard / Design & Establishment of Data Service Platform Cloud Server / Modeling / Web Programming 	•	•		•	•	•	•
SW	<ul style="list-style-type: none"> OS/Kernel <ul style="list-style-type: none"> OS : Android / webOS / Linux Kernel / Device Driver / BSP OS Kernel / BSP (Memory Management / File System / Open Source Contribution) Power Saving & Battery Management (Fast Charging) 	•	•	•	•	•	•	
	<ul style="list-style-type: none"> SW Architecture & Application <ul style="list-style-type: none"> SW Training / SW Infra / SW Architecture / SW Process & Tool / SW Test / SDET SDK / Technical Evangelism / Mobile App 	•		•	•	•	•	•
	<ul style="list-style-type: none"> Middleware <ul style="list-style-type: none"> Web technology / Security / Media Streaming Multimedia(Audio / Camera / Video) Network & Communication Protocol / LTE-A / Radio / Bluetooth / WiFi / Service / CAN BAP Protocol / Diagnostic 		•	•	•	•	•	
	<ul style="list-style-type: none"> Infotainment Software <ul style="list-style-type: none"> Software Architect / Application SW Agile / Scrum Kernel / BSP / Platform (Linux, Android) / RTOS Connectivity SW / Cyber Security / Vehicle Network Classic / Adaptive AUTOSAR 			•				
Robot	<ul style="list-style-type: none"> Robotics <ul style="list-style-type: none"> Pedestrian / Obstacle / People Recognition algorithm RGB-D / Stereo Sensor & control People tracking / Motion Prediction / Behavior Algorithm / Global & Local Path Planning Interaction / Image Processing & Computer Vision / 3D Vision Reconstruction / Robotics SLAM (Simultaneous Location And Mapping) / Global Mapping / Localization Robot SW Platform Design / Embodiment / BSP Porting / Device Driver Design Automotive Radar System Radar and Algorithm Development Mechanism / Circuit / Control R&D / Robot Manipulation 	•				•	•	
	<ul style="list-style-type: none"> Automation Robotics <ul style="list-style-type: none"> Robot Automation / Transferring (Stocker / AGV / Conveyor) / Logistics Consulting and Engineering Robot Motion (3D bin Picking, Flexible Material Handling, Cable locking, etc.) Auto Teaching / Path-Planning Algorithm (OLP, MIMIC, etc.) End-effector Design (Gripper, T/F Sensor) Robot AGV Actuator (Motor / Driver / Encoder) Robot Application Technology (Assembly, Gluing, Grinding / Polishing, Welding, etc.) 	•				•	•	•
Vehicle Component	<ul style="list-style-type: none"> Autonomous Vehicle Driving <ul style="list-style-type: none"> Mobile Robot or UGV (Unmanned Ground Vehicle) Research SLAM Algorithm Development / Application Optimized Path Planning / Tracking Algorithm Research Proficient C / C++ / Matlab / LabView Programming Embedded Systems Development 			•		•		
	<ul style="list-style-type: none"> ADAS <ul style="list-style-type: none"> Display Application Technology Research / Camera and Optical Design Technology / DSP / Micom Application Design / Wireless protocol / RF Design / Optimal Design Embedded System Power Management Machine Vision / Design of Recognition / AP Chip / Radio Tuning / HW Development Web Platform / HTML5(Open Source Platform) 			•		•		
Power Electronics	<ul style="list-style-type: none"> Appliance Control R&D <ul style="list-style-type: none"> Power Electronics / Induction Heating / Wireless Power Transfer / Electronic Signal Transceivers(Smart) / Vision Sensor Application Fan Design / Flow Path Design / Heat Exchanger Design / Radiation Design Metal Material / Tribology / Electronic Material 	•					•	
	<ul style="list-style-type: none"> Motor <ul style="list-style-type: none"> Motor Design / Motor Cooling / Cooling Circuit Design / Permanent Magnetic AC / DC Motor Design&Development of mass production Rotor Reliability Design / Vibration / Noise Reliability Design B-ISG : Belt-Integrated Starter and Generator System Reliability Test : Rotor Dynamic Reliability Design / Analysis / Vibration / Noise Drive Unit Structural Design & Cooling System Design / Reducer(Decelerator) Design / Thermal Analysis & Evaluation / Structural Design & Analysis 	•		•				
	<ul style="list-style-type: none"> Inverter <ul style="list-style-type: none"> DSP / Micom Application Technology Research Power Electronic Circuit Design & Control / Inverter Drive System Motor control Algorithm Development(Sensorless / Sensorless Control) Cooling System Design / Thermal Power Module for EV Inverter (Design, Manufacturing, Reliability) 	•		•				•
	<ul style="list-style-type: none"> Converter <ul style="list-style-type: none"> Charger Algorithm Development using DSP / Microprocessor PFC Control for Single-Phase / Three-Phase / AC-DC Converter High Efficiency Converter Topology / Passive Element Design & Reaserch Resonant Converter Design Cooling System Design / Thermal 	•		•				
Mechanics	<ul style="list-style-type: none"> HVAC <ul style="list-style-type: none"> IPMSM Control(Sensor-less Vector / Motor Control) / Single, Three Phase PFC Control Digital Control / Automatic Control / PSIM or Matlab Simulation / Embedded System Thermal Fluid Analysis / Fan Design / Performance Analysis Computational Fluid Dynamics(CFD) / Computer Aided Engineering(CAE) Heat Exchanger Design / Structural Design / Noise & Vibration / Sheet Metal Forming Inverter System Algorithms / Logic Design / Motor-Compressor Design / Smart Sensors Waste Heat Recovery System / 2 Phase Flow / Heat Transfer / Cooling System 	•						•
	<ul style="list-style-type: none"> Battery Pack / BMS(Battery Management System) <ul style="list-style-type: none"> Battery Packs for Electrical Vehicles / System Design / Structural Stiffness Design Safety Design / Cooling System Design / Battery Pack Electric Frame Design 	•					•	•
	<ul style="list-style-type: none"> Mobile Structural Design / Exterior <ul style="list-style-type: none"> Material / New Material / Surface Treatment / Die Casting 	•		•				•
	<ul style="list-style-type: none"> Appliance R&D <ul style="list-style-type: none"> Structure Design / Refrigerating Cycle & Thermal Fluid System / Dynamic Analysis / Noise & Vibration Freshness & Hygiene / Thermoelectric Module / Insulation 	•					•	•
Signal Processing	<ul style="list-style-type: none"> Communication & 5G/6G <ul style="list-style-type: none"> OFDM, MIMO, Error Correcting Codes, Network Virtualization, Cross-link Optimization, Scheduling, Quantumn Computation, THz, mmWave, FDR, V2X 			•		•		
	<ul style="list-style-type: none"> Media Processing <ul style="list-style-type: none"> Video Codec, Point Cloud, Media Orchestration Audio Codec, Sound Quality Enhancement 			•		•		
Chip & Circuit	<ul style="list-style-type: none"> Chip <ul style="list-style-type: none"> Mobile SoC Design / Computer Architecture / Mobile System / Mobile Chip / AI Chip / Mobile Verification Device Modem Chip Protocol SW Development & HW Design / SoC Development / RF Design Computer Vision Algorithm / Vehicle Semiconductor Design / Computer Architecture or Compiler / Mixed IP Design Analog Circuit Design / Process Integration / TG / ISP Digital Design / CMOS Image Sensor Test Automotive SoC Physical Design / Design Methodology Develop and Design Automation 			•				•
	<ul style="list-style-type: none"> Wireless Technology <ul style="list-style-type: none"> Wireless (RF / Antenna Design) Charging Technology Wireless Charging Coil Design / EMF / EMC 			•		•		
Image Quality	<ul style="list-style-type: none"> Display Device Image Quality Optimization & SW Algorithm Development <ul style="list-style-type: none"> Image Processing / Measure and Evaluation / System SW Engineer 							
	<ul style="list-style-type: none"> Monitor Signage <ul style="list-style-type: none"> Image Processing & Computer Vision Speech & Audio Processing Virtual / Augmented Reality (VR / AR) Mechanical Design / BLU Design / CAE 	•	•	•	•			
Production Engineering	<ul style="list-style-type: none"> Advanced Technology <ul style="list-style-type: none"> Semiconductor Process(Dry Etch) & Semiconductor Equipment Applied Optics / Optic Design AI / Intelligent Algorithm / Machine Learning / Deep Learning / Neural Network High Power & High Precision Control Design / Design of Precision Mechanism Atmospheric Pressure Spatial ALD / Large-Area PLD High-Speed / Low Temp. Sintering of powder or Ink / Paste / microscale Device Electronic Circuit Design / High Speed Digital Circuit Design / Large Scale Integration Power Circuit Design / Power Circuit Control / High Power Packaging 							•
	<ul style="list-style-type: none"> Automation Technology <ul style="list-style-type: none"> Coating / Dispensing / Bonding / Laminating / Secondary Battery Technology Printed Electronics Technology / Roll-to-Roll Transferring Technology Vehicle Components (Motor / Stator / EV Battery) Equipment Technology Robot Automation / Transferring (Stocker / AGV / Conveyor) / Logistics Consulting and Engineering 							•
	<ul style="list-style-type: none"> Process Technology <ul style="list-style-type: none"> Patterning Technology / Laser Application / Thermal Process Technology Vacuum / Deposition / Plasma Application Technology 							•
	<ul style="list-style-type: none"> Inspection & Control Systems <ul style="list-style-type: none"> Machine Vision / Image processing / Pattern recognition / Image optics / 3D measurement Electrical inspection / Sensor application / Inkjet printing Wireless measurement / Digital signal inspection / Power control / Embedded system 							•
	<ul style="list-style-type: none"> Production Base Technology <ul style="list-style-type: none"> Structural / Impact Analysis & Optimization Design / Fluid / Thermal Analysis & Design Noise & Vibration & Harshness Design Automation & Validation / Prognostic Health Management / Data Analytics GPU/CPU Architecturing / Parallel Computing Design / AR / VR Programming Production Environment / Particle Control & Airborne Particulate Monitoring Welding / Casting / Diecasting / Metal Forming / Molding / Printing / Spray Coating Glass Forming / Glass Strengthening / Ceramic & Ceramic Spray Electronic Packaging / Micro-Electronic Joining / Soldering 							•
	<ul style="list-style-type: none"> Production System Engineering <ul style="list-style-type: none"> Production System(Manufacturing Process / Line / Factory) Design & Verification Production & Operation Management / Optimization of Supply Chain Design Product Architecture Planning & Optimization / Design Standardization / Product Development Process / Procurement Engineering Quality Management / TRIZ / Statistical Modeling & Mining of Big Data Equipment SW Architect / Development of Equipment Operation 							•
Material	<ul style="list-style-type: none"> Micro/Mini LED <ul style="list-style-type: none"> Optoelectronic Materials and Device Chip/Package Nano LED and pixel level Chip Package 				•			
Optics	<ul style="list-style-type: none"> Lens Design and Analysis <ul style="list-style-type: none"> High Precision Projection Lens Inspection Optics for 3D-Sensor Camera / Semi-conductors Photo Lithography System Auto-Focus System / Optical Alignment system 							•

채용 상담
인재 카드 등록



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참석하신 모든 분들께 소정의 기념품이 지급됩니다!