Job Opportunity

Research Domains		Research Areas
Device & System	① Recognition & Computer Vision	- Computer Vision · Pattern Recognition, Tracking, Object Recognition, Sensor Fusion, Detection, 3D Map Construction, Scene Understanding · Motion estimation, 3D Vision Processing, 3D Modeling - Vehicle Control & Driving · ADAS, Localization, SLAM, Vehicle/Drone Control · Path Planning, Real-Time Embedded System Development
	② Deep Learning & Information Theory	- Deep Learning, Artificial Intelligence, Statistical Machine Learning, Reinforcement Learning, - Large-scale Mathematical Analysis and Algorithms - Natural Language Understanding, Dialog/Data Management, Language Modeling - Neural network algorithm analysis Deep Learning algorithm optimization
	③ Processor HW	- Neural Processor HW · RTL,VHDL, Verilog HDL, SOC · Processor, VLSI design for image/video processing · VLSI C-Modeling, Simulation, Compiler design - Mobile Processor HW design and implementation · FPGA/ASIC/SOC/Low Power high Competency development · HW design and verification
	④ Optics/Bio-Signal Analysis	- Imaging System Design and implementation · Optics Design (Light Tools, Code V, Zemax) · Programming experience (Matlab, C++, Visual Basic) · Experience in design and setup for various laser experiment - Optical Sensor device design, simulation · Major in Physics, Nano/Si/Bio Photonics, Plasmonics, Optics · Optical System integration skill - Bio-Signal/Spectrum analysis and algorithm - Real time Signal Processing
Material	① Inorganic Materials	- Nano structured materials and applications · Quantum dot, Metal, inorganic nano structure synthesis/characterization and Device Fabrication - Development & fabrication of inorganic powder
	② Organic Materials	- Polymer chemistry and physics - Reaction kinetics, monomer design &synthesis - Organic emitting and charge transporting material design/synthesis
	③ Functional Polymer	- Polymeric Materials for optical applications - Film coating technology - Polarization and retardation materials
	④ Battery Materials	- Advanced Li-ion, Post Li-ion and novel energy storage/conversion - Inorganic, nanocomposite and metal alloy for ion storage - Organic/polymer design, synthesis and ionic liquid - Electrochemical analysis and modeling