Samsung DMC연구소 해외 박사 채용분야

분야	세부 분야	분야	세부 분야
Signal Processing	**Mulimedia** Image/Video/Audio/Speech/3D Processing, Coding/Streaming, Display, Immersive Multimedia Service, 3D Graphics, Physics Simulation, Global Illumination.	**Optics**	**Geometrical Optics** Illumination optics, Imaging optics, Optical evaluation, Non-imaging optics
	Bio Medical Medical Imaging & System, Instrumentation, Medical Information System,Biology		**Physical Optics** Effective index control, Spectral/Diffractive optics, Polarization control, Interface optics, Holography, Near field optics
	Intelligent M/M Speech Recognition & Synthesis, Natural Language Processing.		**Photonics** Photoniccrystal, Electro-optic / Opto-electric device, Interconnection, Optical computing
	Environmental Haptic/Touch Sensing, Environmental Sensing	**Communications**	**Networking** Cellular N/W & Service,Co-Existence,Vehicle Communication,Ad-hoc N/W, Future Internet Service, Optical/Ethernet N/W, N/W Security, N/W Switching/Routing/Management, Multimedia/Broadcasting/Web/Cloud Service, Device-to-Device Direct-Communication, Communication for Medical Devices, Location/Presence Service, Home/WLAN/WPAN/NFC Device &N/W, Disaster/Delay Tolerant N/W
	Computer Vision Detection/Tracking , Modeling/Recognition, Indexing/ Retrieval		
	Computational Photography Lightfield Imaging,Human Visual Perception based image processing, Image based rendering, Image based lighting, Non-photorealistic rendering, Image modeling/Synthesis,Multi Array Imaging, Coded aperture, Image Manipulation,Video Stablization.		**Access Network** Beamforming, LDPC, OFDM, MIMO, mmWAVE.
Computing	**Human/Computer Interaction** Human Factors & Design,UI &Information Presentation, Wearable/Flexible Device. Data & Information Processing, Information System Applications, Experimentation, Measurement, Performance , Usability		**Fields & Waves** Advanced Antenna, RF Circuits, Analog/Mixed Signal Circuits, RFID & NFC, EMI/EMC, Measurement Techniques, Wireless Power Transfer
	Heterogeneous & Parallel Computing CUDA or OpenCL based GPGPU programming, Performance estimationusing compiler Information, Resource management, Compiler including LLVM and CLANG	**UX**	**UX Design & Evaluation for Product & Service** Visual Design, User Research, Interaction Design, Information Architecture, Prototyping, Human Factors, Usability Evaluation.
System Engineering	**System Level Simulation** ESL Design & Modeling,Co-simulation Methodology, Next-Generation SoC Architecture	**Bio Medical**	**Bio Sensing, Safey, Human body Influence**
			Vibration Simulation Methodology & Influence for EMI
	System workload modeling Workload-based system benchmarking, workload generation, system vertical tracing		**EMI/EMC Issues on Biomedical Research**
	System power management Low power policy, system power profiling, energy-bug detection		**Healthcare & Medical** Defining Hospital Solution Architecture Testing/Analyzing existing or 3rd party S/W etc.
	CAE(Computer Aid Engineering) EMC Design for Extra-Low or -High Freq. Signaling EMC on Mixed-mode System EMC on Wireless Power transfer	**Standardization**	Cloud, Wireless Connectivity(Indoor wireless connectivity), LTE-based Beyond 4G Network and Future Network, Communication/Network Security,Broadcasting system.