

Innovative Technology,

DMC R&D Center

Dominant Paradigm,

Software R&D Center

DMC연구소는 SoC Platform, 차세대 DTV, 차세대 통신기술, ECO Solution, 신개념 Device 선행기술, 공통 기반기술, 특허 및 표준화를 주축으로 세계 최초, 세계 최고의 제품 및 기술을 개발하고 있습니다.

DMC연구소는 창의적이고 도전적인 R&D 문화 아래, 창조적 기술 혁신으로 기술 리더십을 확보하고 사업부문간 시너지를 창출하여 성과를 극대화하는 삼성전자 기술의 메카로서 삼성전자의 밝은 미래를 열어갈 것입니다.

소프트웨어센터는 Software Platform, Convergence Solution 기술을 주축으로 사용자에게 감동을 줄 수 있는 솔루션 개발에 노력해왔습니다.

소프트웨어센터는 자유롭고 창의적인 조직문화를 바탕으로 New Technology, Innovative Products, Creative Solutions을 연구/개발하여 새로운 미래 창조에 이바지할 것입니다.

지원 기간

2013년 5월 1일(수) ~ 23일(목) 13:00까지

지원 방법

<http://www.samsungcareers.com> 접속

경력사원 채용공고

[DMC연구소/소프트웨어센터]
박사급 연구원 및 박사대여장학생 선발 공고

지원서 작성

전형 절차

지원서 작성

서류 전형

면접 전형

채용 검진

졸업 후 입사

박사대여장학생
선발 및 양성

캠퍼스 리크루팅

KAIST

일시 : 2013년 5월 13일(월) ~ 14(화)

장소 : 정보전자공학동 1층 CS라운지

서울대

일시 : 2013년 5월 15일(수) ~ 16(목)

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DMC R&D Center & Software R&D Center 박사연구원 및 박사대여장학생 선발

모집 세부분야

분야	세부 분야	
Signal Processing	Multimedia	Image/Video/Audio/Speech/3D Processing, Coding/Streaming, Display, Immersive Multimedia Service, 3D Graphics, Physics Simulation, Global Illumination
	Bio Medical	Medical Imaging & System, Instrumentation, Medical Information System, Biology
	Intelligent M/M	Speech Recognition & Synthesis, Natural Language Processing
	Environmental	Haptic/Touch Sensing, Environmental Sensing
	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 Stabilization
Computing	Human/Computer Interaction	Human Factors & Design, UI & Information Presentation, Wearable/Flexible Device, Data & Information Processing, Information System Applications, Experimentation, Measurement, Performance, Usability
	Cloud computing	Social network, Security, Privacy and content protection, Commerce, Cloud of things, IaaS, PaaS, SaaS, Server Virtualization
	Heterogeneous & Parallel Computing	CUDA or OpenCL based GPGPU programming, Performance estimation using compiler Information, Resource management, Compiler including LLVM and CLANG
	Big Data: Knowledge Base, Data Mining, Machine Learning, Crowd Sourcing, Ontology	
System Engineering	System Level Simulation	ESL Design & Modeling, Co-simulation Methodology, Next-Generation SoC Architecture
	System workload modeling	Workload-based system benchmarking, Workload generation, System vertical tracing
	System power management	Low power policy, System power profiling, Energy-bug detection
	CAE(Computer Aid Engineering)	EMC Design for Extra-Low or -High Freq. Signaling EMC on Mixed-mode System EMC on Wireless Power transfer
	eCAD/eCAE (electrical Computer Aided Design/ Engineering)	Analysis and Simulation for Rule Check, Automation, Verification & Evaluation of mechanical Design : Structure, Dynamics, Thermal, Fluid Dynamics, Vibration and Acoustics, Injection, Multiphysics, Design Rule, Test Engineering Workspace System including process and solution for the simulation based product development
Mechanical	Control & Dynamics	Mathematical Theory & Algorithm/Adaptive & Optimal/Robust/Digital Control, Computer Simulation of Dynamic Systems, Motion Control & Manipulation, Acoustics & Acoustic Control, Medical Robot
	Fluids	Aerodynamics, Hydro Dynamics, Water/Air Treatment
	Thermal Sciences	Theoretical & Computational analysis/Simulation, Heat & Mass Transfer, Electrical and Thermal Co analysis of Electric Devices, Thermal Properties of Materials, Phase Change Thermo physics
	Mechanics	Load Analysis & Simulation, Micro & Nano System/Mechatronic Device Design, Performance Enhancement & Optimization
	mCAD/mCAE (mechanical Computer Aided Design/ Engineering)	Analysis and Simulation for Rule Check, Automation, Verification & Evaluation of mechanical Design : Structure, Dynamics, Thermal, Fluid Dynamics, Vibration and Acoustics, Injection, Multiphysics, Design Rule, Test Engineering Workspace System including process and solution for the simulation based product development
Optics	Geometrical Optics	Illumination optics, Imaging optics, Optical evaluation, Non-imaging optics
	Physical Optics	Effective index control, Spectral/Diffractive optics, Polarization control, Interface optics, Holography, Near field optics
	Photonics	Photonic crystal, Electro-optic/Opto-electric device, Interconnection, Optical computing
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
	Access Network	Beamforming, LDPC, OFDM, MIMO, mmWAVE
	Fields & Waves	Advanced Antenna, RF Circuits, Analog/Mixed Signal Circuits, RFID & NFC, EMI/EMC, Measurement Techniques, Wireless Power Transfer
UX	UX Design & Evaluation for Product & Service	Visual Design, User Research, Interaction Design, Information Architecture, Prototyping, Human Factors, Usability Evaluation
Bio Medical	Bio Sensing, Safety, Human body Influence	
	Vibration Simulation Methodology & Influence for EMI	
	EMI/EMC Issues on Biomedical Research	
	Healthcare & Medical	Defining Hospital Solution Architecture, Testing/Analyzing existing or 3rd party S/W etc
Standardization	Cloud, Wireless Connectivity(Indoor wireless connectivity), LTE-based Beyond 4G Network and Future Network, Communication/Network Security, Broadcasting system	
Software Platform	Linux kernel & device driver, Window system, 2D & 3D graphics, UI framework	
	Natural input : object tracking, Web engine & browser: HTML5	
	Compiler : GCC, LLVM, JavaScript JIT Compiler	
	Tools : SDK, Static analyzer, Profiling & debugging tools, etc.	
Operating System	Manycore OS, Hyperscale OS	
	Hypervisor, Virtualization, LibraryOS	
	Memcached, Key-Value Storage	
	Embedded OS, PC-based OS, Server-based OS, Web OS, Multi-OS.	
Middleware & Infrastructure	Intelligence & Recognition, Data & Information, HCI (User interface, etc), Content Processing, Security & Privacy Protection, Dev Tools, Infrastructure & Platform (Network, Communications, Virtualization, Server management, Cloud - SaaS, IaaS, PaaS), Web-based technology (Browser engine, etc)	
Application & Services	Consumer, Enterprise, Public & Utility(Smart Grid, E-government, Smart City, etc.), Vertical Applications (Advertising, Automotive, Hospital Environment, Retail, Telecom, Transportation, Utility, etc)	
Software Engineering	Software Engineering	Software Code Analysis & testing, Software Profiling & Optimization