

2016
RECRUITMENT

D

2016 두산중공업 R&D 부문 해외 우수인재 채용

2016. 04. 01(금) ~ 05. 02(월)

모집전공

- 기계 및 항공우주 (구조/진동/소음/열/유체/연소)
- 전기전자 (전력전자, 전력계통, 제어계측)
- 화공 및 소재

지원자격

- 박사 학위 취득예정자 (16년 혹은 17년 초) 및 기 학위 취득자 (Post-Doc 가능)
- 남자의 경우 병역을 필 하였거나 면제된 자
- 해외여행 또는 해외근무에 결격사유가 없는 자

근무지역

- 수지 : 발전/담수플랜트 기반기술 R&D
- 창원 : 발전용 가스터빈/보일러 기술 및 소재개발 R&D

지원방법

- 커리어두산(<https://career.doosan.com>)에서 온라인 접수만 가능
- 채용공고 ▶ 경력채용 ▶ '16년 상반기 두산중공업 R&D부문 해외 우수인재 채용
- 학위논문 첨부 필수
- ※ 학위논문 미 완료된 경우, 작성 중인 논문 Abstract를 제출하거나 관련 분야 저널 논문 또는 자유 형식의 연구활동 요약 자료를 첨부할 것

전형일정

- 서류접수 : 2016. 04. 01 (금) ~ 2016. 05. 02 (월) 18:00 접수마감 (한국시간 기준)
- 서류전형 ▶ 1st 인터뷰/DCAT ▶ 2nd 인터뷰 ▶ 신체검사 ▶ 입사
- ※ DCAT : Doosan Comprehensive Aptitude Test
- ※ 인터뷰 일정 및 장소는 개별 협의

문의처

- 두산중공업 Recruiting팀 이현희 과장
(+82-2-513-7195 / hyunhee.lee@doosan.com)
- 두산중공업 Recruiting팀 황수현 사원
(+82-2-513-6382 / suhyun.hwang@doosan.com)



Building your tomorrow today

[가스터빈/ Gas Turbine Technology]

모집분야	세부분야	연구분야
Gas Turbine Development	System Integration	<ul style="list-style-type: none"> - Turbomachinery rotor integration design - Turbomachinery layout / platform design - Mechanical design (Pipe, Valves, Pedestal, etc) - Turbomachinery rotordynamics analysis
	Compressor	<ul style="list-style-type: none"> - Compressor aerodynamic design - Turbomachinery aeromechanic design - Turbomachinery mechanical design & safety evaluation - Compress performance / aeromechanic test - Axial Compressor aerodynamic design - Structure / aeromechanic analysis
	Combustor	<ul style="list-style-type: none"> - Combustor mechanical design - Combustor heat transfer analysis / Cooling design - Combustor acoustic analysis / Modeling
	Turbine	<ul style="list-style-type: none"> - Turbine aerodynamic design - Turbomachinery aeromechanic design - Axial turbine aero-thermal design - Heat transfer analysis / Cooling passage design - Cooled blade / vane heat transfer test - Mechanical design / Structure analysis / Life assessment(LCF, HCF, Creep)

[기계/ Mechanical Eng.]

모집분야	세부분야	연구분야
Thermal & Fluid	Turbo Machine Flow	<ul style="list-style-type: none"> - Turbomachinery aero design / flow analysis - Blade design optimization - Multistage flow solver development including wetsteam condensation - Turbomachinery aero experiment
Structure Vibration	Vibration Engineering	<ul style="list-style-type: none"> - Flow-induced vibration - Intelligent vibration diagnosis / monitoring - Turbomachinery seal / clearance control technology
Plant System Engineering	System Performance Analysis	<ul style="list-style-type: none"> - Plant cycle heat balance calculation and optimization technology - Heat transfer and Boiler / Turbine performance design - Tube inside flow balancing and stability analysis technology
	System Dynamic Behavior Analysis	<ul style="list-style-type: none"> - Computer aided dynamic simulation technique for power plant - Boiler / HRSG dynamic analysis and system design technology - Mechanical dynamics (Turbo machinery dynamic analysis, Mechatronics) - Simulator for power plant
	Combustion System Analysis	<ul style="list-style-type: none"> - Gas turbine / Coal boiler combustion simulation & test (Combustion chemistry, Combustion dynamics, Radiation, Combustion CFD) - Emission(CO, NOx, Soot, etc.) estimation technology development

[전기전자/ Electrical Eng.]

모집분야	세부분야	연구분야
Process control	Process Control & Simulation	<ul style="list-style-type: none"> - Thermodynamics - Optimal control - Process modelling & simulation - Power plant control logic design and development - Power system dynamic simulation and analysis
	Control System Hardware	<ul style="list-style-type: none"> - Embedded system hardware / firmware / FPGA design - Industrial wireless, fieldbus communication hardware / firmware design - Rectifier / Inverter design (MW grade)
	Control System Software	<ul style="list-style-type: none"> - Control system software and communication protocol design - Remote monitoring & control solution - Software verification and validation
Control System	Virtual Power Plant	<ul style="list-style-type: none"> - Power system modeling and simulation - Integration of renewable and emerging technologies
	<ul style="list-style-type: none"> - Electrical Energy Storage System - Energy Management System - Electric System Design 	<ul style="list-style-type: none"> - Resource(renewable energy) planning according to markets, costs, and policy - ESS control algorithm design and system integration - EMS control & operation algorithm design - Power plant electric system design and development - Power plant electric system selection

[화학/ Chemical Eng.]

모집분야	세부분야	연구분야
Energy Conversion System	Energy Storage System	<ul style="list-style-type: none"> - Battery characteristics analysis and diagnosis - Energy storage system design & engineering - New battery system design
	Chemical Reaction & Extraction	<ul style="list-style-type: none"> - Chemical process & reactor design - Simulation and analysis of chemical reactions - Process development of CO₂ conversion, CO₂ utilization and mineral carbonation

[소재/ Material Eng.]

모집분야	세부분야	연구분야
Material Science & Engineering	Material Evaluation & Life Assessment	<ul style="list-style-type: none"> - Mechanical property evaluation of ferrous & non-ferrous alloy - Corrosion / oxidation / chemical metallurgy / Diffusion - Fatigue, creep, creep-fatigue evaluation / Fracture mechanics - Welding metallurgy / Simulation of welding - Material evaluation and life assessment of ferrous & non-ferrous alloy - Phase transformation / metallography / crystallography - Physical metallurgy