

사람이 미래다



2015 두산그룹 해외 우수인재 채용

- 두산중공업 R&D 박사 -



모집인원 : 〇〇명

지원자격

- '15년 또는 '16년 박사 학위 취득예정자 및 기졸업자(Post-Doc 가능)
- 남자의 경우, 병역 필수 또는 면제자
- 해외여행 또는 해외근무에 결격사유가 없는 자

지원방법

두산 채용포털(<http://career.doosan.com>) 온라인 지원

- 채용공고 ▶ 경력채용 ▶ 2015 두산그룹 해외 우수인재 채용
- ▶ 두산중공업 R&D 박사

※ 온라인 지원서 작성 및 학위 논문 첨부 필수 (없을 경우 연구 논문 대체)

전형일정

구분	일시	지역
지원서류 접수	8/24~9/30	
1st Interview / DCAT	10월 중(일정 개별 협의)	한국 또는 미국 현지
2st / Final Interview	11월 중(일정 개별 협의)	한국 또는 미국 현지
입사일	최종합격 후 개별 협의	

*DCAT : Doosan Comprehensive Aptitude Test
※ 전형일정은 미국 Eastern Standard Time 기준

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세부 모집 분야

두산중공업 R&D 박사

	모집분야	세부분야	연구분야	근무지
1	Thermal & Fluid	Turbo Machine Flow	<ul style="list-style-type: none"> • Axial turbine design/flow analysis • Blade & multi stage analysis • Seal development & analysis 	용인 (수지)
2		Combustion	<ul style="list-style-type: none"> • Gas turbine combustion dynamics analysis 	
3	Structure/Vibration	Structural Strength	<ul style="list-style-type: none"> • Optimum design 	용인 (수지)
4		Vibration Engineering	<ul style="list-style-type: none"> • Seal dynamics and clearance control technology • Flow-induced vibration • Signal processing/diagnostic monitoring technology 	
5	Plant System Engineering	System Dynamic Behavior Analysis	<ul style="list-style-type: none"> • Computer aided dynamic simulation technique for power plant • Boiler/HRS dynamic analysis and system design technology • Mechanical dynamics (turbo machinery dynamic analysis, mechatronics) • Simulator for power plant 	용인 (수지)
6		Combustion System Analysis	<ul style="list-style-type: none"> • Combustion model development • Emission(CO, NOx, soot etc.) estimation technology development • Radiation heat transfer analysis technology development • Combustion CFD analysis technology (open source using) • Power plant burner/boiler combustion CFD analysis 	
7	Advanced Power Plant System Research & Development	Control Logic Design	<ul style="list-style-type: none"> • Control scheme development • System dynamic behavior analysis and control logic design 	용인 (수지)
8		Turbo Machinery	<ul style="list-style-type: none"> • Turbine/compressor flow path and aerodynamic design • Performance and reliability analysis 	
9		Power system	<ul style="list-style-type: none"> • Power system (generator, power conversion system, etc.) selection • Power system characteristic analysis 	
10	Control System	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) 	용인 (수지)
11		Control System Software	<ul style="list-style-type: none"> • Control system software and communication protocol design • Remote monitoring & control solution • Software verification and validation 	
12		Virtual Power Plant/ Electrical Energy Storage System/ Energy Management System	<ul style="list-style-type: none"> • Power system modeling and simulation • Integration of renewable and emerging technologies • Resource(renewable energy) planning according to markets, costs, and policy • ESS control algorithm design and system integration • EMS control & operation algorithm design 	
13	Process Control	Control algorithm	<ul style="list-style-type: none"> • Power plant control algorithm development • Power Plant dynamic analysis & optimal tuning technology development 	용인 (수지)
14		Simulation & Optimal control	<ul style="list-style-type: none"> • Power plant proven technology : Plant modeling & simulation • Optimal algorithm design using modern control theory • Power plant flexibility, availability & efficiency improvement technology 	
15	Material Science & Engineering	Material Evaluation & Life Assessment	<ul style="list-style-type: none"> • Corrosion / oxidation / chemical metallurgy / diffusion • Fatigue, creep, creep-fatigue evaluation/fracture mechanics • Material evaluation / life assessment of ferrous & non-ferrous alloy 	창원
16	Water R&D	Wastewater Treatment	<ul style="list-style-type: none"> • Anaerobic digestion technology (pretreatment, biogas production, wastewater treatment technology after dewatering and drying, etc.) • Industrial wastewater treatment (process engineering, absorption/separation technology) • Advanced wastewater treatment technology (electrochemical tech.) 	용인 (수지)
17	Energy Conversion System R&D	Energy Storage System	<ul style="list-style-type: none"> • Battery characteristics analysis and diagnosis • Energy storage system design & engineering • New battery system design 	용인 (수지)
18	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 	창원
19		Compressor	<ul style="list-style-type: none"> • Axial compressor aerodynamic design • Turbomachinery aeromechanic design • Turbomachinery mechanical design & safety evaluation • Compress performance/aeromechanic test 	
20		Combustor	<ul style="list-style-type: none"> • Combustor mechanical design • Combustor heat transfer analysis / cooling design 	
21		Turbine	<ul style="list-style-type: none"> • Axial turbine aero-thermal design • Heat transfer analysis / cooling passage design • Cooled blade/vane heat transfer test 	