

SANG HYUN PARK

Ph.D candidate

Area of Interests	Centrifugal pump's hydrodynamic performance enhancement and optimizations of design parameters		
Objective	Seeking a full-time position in pump and compressor field specialized in hydrodynamic/acoustic analysis, pump design and optimization, and CFD works.		
Educations	2004 Dec-Present	Texas A&M University	College Station, Texas
	Doctor of philosophy of Science		
	-Department of Mechanical Engineering		
Educations	2002 Sep-2004 Dec	Texas A&M University	College Station, Texas
	Master of Science		
	-Department of Mechanical Engineering		
Educations	1995 Mar-1999 Feb	YONSEI UNIVERSITY	Seoul, KOREA
	Bachelor of Science		
	-Department of Mechanical Engineering		
Professional Experiences	2002 Jan- 2002 Aug	Korea Aerospace Research Institute	Daejun, Korea
	Research Assistant		
	<ul style="list-style-type: none">▪ Experimental works and tests on 800lb-thrust turbofan engine▪ Experimental works in high altitude Turbomachinery tests		
	2002 Sep-2004 Mar	Texas A&M University	College Station, Texas
Professional Experiences	Research Assistant		
	<ul style="list-style-type: none">▪ Multiphase flow meter (obstructional type) used in petroleum industry testing and experimental evaluation		
	2004 Sep-2005 Sep	Texas A&M University	College Station, Texas
	Research Assistant		
Professional Experiences	<ul style="list-style-type: none">▪ Experimental Evaluation of Open Faced Pump (Flow Field Visualization, Turbulence Analysis, and Etc)		
	2005 Sep-Present	Texas A&M University	College Station, Texas
	Research Assistant		
	<ul style="list-style-type: none">▪ CFD Evaluation of Open Faced Pump using Fluent® (The Effects of Balance Holes On The Axial Force and Flow Fields inside the pump)▪ Evaluation of interaction between stator and pump impeller blades (Pressure pulsation propagation inside the pump)▪ CFD evaluation of smooth seal with rotor whirling in arbitrary orbits		
Teaching Experience	2004 Sep – 2004 Dec	Teaching Assistant	
	<ul style="list-style-type: none">▪ Fundamentals of thermal-Fluid Science		

Publications	Master's Thesis on "The Interaction Between a Two Slotted Plate Flow Meter Under One, Two, Or Three Component Flow Conditions" Turbomachinery Research Consortium Report (TRC-PUMP-5-04) on "Experimental Evaluation Of The Flow Inside the Open Faced Impeller"
Languages	Fluent in Korean and English
Softwares	Fluent in FLUENT®/GAMBIT, C++, Fortran, LabView, AutoCad, SolidWorks, Professional Microsoft Office Applications, and Tecplot
Nationality	Republic of Korea
Awards received	Honor Student in 1996
Interests	Playing Tennis and golf
Military Service	1999 Feb-2001Apr 2/17 Field Artillery, 2nd Infantry Division, US Army Dongduchun, Korea