

HONGYUN SO

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Associate Professor
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<https://microsystemhy.wixsite.com/mind>

Research Interests	Microsystems and Microelectronics, Heat Transfer, Microfluidics Mechanical Issues in Microsystems including Heat Transfer & Fluid Mechanics Microfabrication of Sensors, MEMS, Functional Surfaces	
Education	University of California, Berkeley, USA Ph.D. in Mechanical Engineering	Dec 2014
	KAIST, Daejeon, Korea M.S. in Mechanical Engineering	Feb 2011
	Hanyang University, Seoul, Korea B.S. in Mechanical Engineering	Feb 2009
Appointments	Assistant, Associate Professor Department of Mechanical Engineering, Hanyang University	Sep 2017–
	Postdoctoral Scholar Department of Aeronautics & Astronautics, Stanford University	Mar 2015– Aug 2017
Teaching	Thermodynamics I & II Advanced Thermodynamics Thermal Power Plant Engineering Electrical Engineering, Electronic Engineering Career Development I & II, Capstone Design I & II	
Technical Skills	Microfabrication (Thin film deposition): MOCVD, PECVD, LPCVD, ALD (Metal deposition): sputtering, E-beam evaporation, electroplating (Lithography): standard lithography, ASML stepper, E-beam lithography (Dry etching): DRIE, ICP, plasma, XeF ₂ (Wet etching): KOH, HF, TMAH (Others): RTA, CPD, CMP, wire bonding, dicing	