

GRADUATE SCHOOL INHA UNIVERSITY

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Name	Surname			Jo
성함	Given Name		Ja	ehun
Position 직급	Profess	sor	Gender 성별	■ Male □ Female
Department 소속학과	Division of Arc	chitecture	Major 소속전공	Building Environment
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연락처 정보	Home Page			
Monthly Stipend Proveded or Not 생활비 지급 의사	∎ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master2 / Ph.D2
Research Field 연구분야 설명	 Building energy policy, regulation, and standard Passive House and Zero-energy building Building energy performance evaluation and energy simulation Thermal & airflow simulation analysis in buildings: ventilation strategies & IAQ evaluation, Insulation and condensation performance analysis Design and evaluation of Kinetic façade and movable shading Stack effect engineering and airflow analysis in high-rise buildings Development of hi-performance envelope (e.g. double-skin facade) Knowledge to achieve airtightness criteria (construction phase inspections, airtightness test, air leakage audit and thermographic surveys) Large/Complex buildings air leakage measurement 			
Career Achievements 업적 리스트 (Recent 3 ones)	R&D1: Development of Dual-Control System Enabling Real-time Associative Operation of Passive and Active System in Buildings (3years)R&D2: Development of Integrated Design Engineering Technology for Large Spatial structures: smart thermal and comfort index sensing system (6years)R&D3: Development of core technologies for creative and innovative super-tall building: stack effect and airflow monitoring system (3years)			
Others 기타사항	LAB: Building Environment and System Laboratory Monthly stipend: master \$700~1,000, Ph.D \$ 1,000~1,500 Research allowance: up to \$3,000 International conference presentation support Private PC			



Name	Surname		J	eon
성함	Given Name		Tae-Joon	
Position 직급	Profess	sor	Gender 성별	Male 🗆 Female
Department 소속학과	Biological Eng	gineering	Major 소속전공	Nanobiotechnology
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Information 연락처 정보	Telephone	+82-32-860-	7511	
전력자 경도	Home Page	https://bsl.inf	na.ac.kr	
Monthly Stipend Proveded or Not 생활비 지급 의사	Yes	⊐ No	Required Manpower 필요인력 수	(How Many) Master / Ph.D2
	Biosenso	ors/Biochips –	Pathogen Biosen	sors, Molecular Diagnosis
Research Field			Fissues/Organs-c	·
연구분야 설명				n Channel Studies
Career	 Nanobiotechnology – Liposomes/Vesosomes, Artificial Cells, Aquaporin Biomimetic membranes as potential tools for water purification: Preceding and future avenues, Desalination 2019 (JCR Category Ranking 2%) 			
Achievements 업적 리스트	An electrokinetic approach to fabricating aquaporin biomimetic membranes for water purification, Desalination 2019 (JCR Category Ranking 2%)			
(Recent 3 ones)	Nanopore based detection of Bacillus thuringiensis HD-73 spores using aptamers and versatile DNA hairpins. Nanoscale 2018 (JCR Category Ranking 10%)			
Others 기타사항	Biohybrid Systems Laboratory, led by Drs. Tae-Joon Jeon and Sun Min Kim(Professor of Mechanical Eng.), is challenging to interface abiotic/biotic interphases for the commercial realization of nature and his ongoing research focuses on biochips/biosensors, membrane protein applications, membrane biophysics, artificial cells, and liposomes/vesosomes. Dr. Jeon received his B.S. degree with honors (<i>Manga Cum Laude</i>) in the Dept. of Chemical Eng. from Seoul National University, Korea, in 2001 and completed his Ph.D. in the Dept. of Chemical and Biomolecular Eng. from UCLA, U.S.A., in 2008, followed by his postdoctoral work in the Dept. of Bioeng. at UCLA. Additionally, he founded Librede, Inc. in San Diego, CA and had served as a Consultant and Science Advisory Board Member for AquaZ A/S, previously Danfoss AquaZ A/S, in Denmark from 2009 to 2012, where he suggested several techniques of interfacing abiotic and biotic components to construct an aquaporin embedded water purification system by mimicking biological cells. In 2009, he joined a faculty member in the Department of Biological Eng. at Inha Univ., Korea, which is among top 3 programs in the nation. He is currently Professor of Biological Eng. and Vice Dean of Undergraduate Admissions at Inha University. He has been a PI/co-PI for research grants mostly funded by Korean government over \$4M since 2009. He has published over 60 peer-reviewed research articles with over 1,200 citations and filed 25 patent applications with 18 issued patents.			



Name	Surname		l	_ee
성함	Given Name		Choul-Gyun	
Position 직급	Professo	or	Gender 성별	☑ Male □ Female
Department 소속학과	Department of E Engineeri	-	Major 소속전공	Biological Engineering
Contact	Email	leecg@inha.a	ac.kr	
Information	Telephone	82-32-872-75	518	
연락처 정보	Home Page	www.mbe.re.	kr	
Monthly Stipend Proveded or Not 생활비 지급 의사	⊡ Yes □	l No	Required Manpower 필요인력 수	(How Many) Master1 / Ph.D1
Research Field 연구분야 설명	 We are working on various projects that target to produce microalgae-based products from upstream to downstream and from micro-scale to pilot-scale. Systems Biology Metabolic engineering of microalgae with <i>in-silico</i> modeling of metabolic pathways and molecular biology tools to produce new valuable compounds or enhance their productivity Synthetic biology research with cell-free protein synthesis system Microalgal Cell Culture Technology Development of large-scale culture systems based on semi-permeable materials technology for sustainable production of microalgal biomass Photobioreactor engineering and optimization of cultivation parameters (temperature, light supply, media, <i>etc.</i>) to enhance productivities of biomass and valuable biochemicals such as lipids and pigments Biorefinery Development of extraction and conversion technologies to produce various products, such as biofuels, animal feeds, and fertilizers, from microalgal biomass Downstream processes involved with transesterification, hydrothermal 			
Career Achievements	liquefaction, flash pyrolysis, supercritical CO2 extraction, and so onMethod for mass culturing photosynthetic microalgae by additionally supplying environmental water. US Patent 10,174,282 (2019)Hydrothermal liquefaction of Chlorella vulgaris: Effect of reaction temperature and			
업적 리스트 (Recent 3 ones)	time	on energy reco	overy and nutrien	t recovery (2018)
(Enhanced Production of Fatty Acids via Redirection of Carbon Flux in Marine Microalga <i>Tetraselmis</i> sp. (2018)			
Others 기타사항	 We have many types of microalgal culture systems in various scales, cutting-edge analytical equipment, and downstream process reactors that students can learn to use and operate them for research. Culture systems: Bubble columns, continuously stirred tank reactors, flat-panel photobioreactors, raceway ponds, ocean floating ponds Analytical equipment: HPLC, GC-MS, Coulter Counter, Cellometer, TOC analyzer, water analyzer, phase-contrast microscope 			



Name	Surname	Shim			
성함	Given Name		Bong Sup		
Position 직급	Associate Professor		Gender 성별	■ Male □ Female	
Department 소속학과	Chemical Eng	gineering	Major 소속전공	Chemical Engineering	
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연락처 정보	Home Page	https://www.s	bongs.com/		
Monthly Stipend Proveded or Not 생활비 지급 의사	∎ Yes [⊐ No	Required Manpower 필요인력 수	(How Many) Master / Ph.D _1~2	
	1. Nano-Bio	Functional Ma	aterials		
	This research is al	bout discoverir	ng novel nano-bio	functional materials including	
	photosynthetic protein complexes, electrically conductive melanin pigments, high			ductive melanin pigments, highly	
	crystalline cellulose nanofibers, well-defined clay platelets, and various carbon				
	nanomaterials.				
2. Biomimetic Nanocomposite Processing					
	This research is to develop biomimetic material processing techniques to form				
Research Field	hierarchically organized structures as well as to realize multifunctional properties of				
연구분야 설명	nanocomposites,	which have wid	de ranges of real	world applications from new	
	generational airpla	anes and autor	notive, to bionic in	nterfaces and regenerative	
	medicines.				
	3. Bionic Inte	erfaces			
	This research focu	is on the deve	lopment of biocor	npatible electronic materials for	
	improved biotic-ab	oiotic interfaces	s which would be	designed to provide seamless	
	functional integrati	ion from electro	onic devices to tis	ssues, organs, and to human	
	body.				
	H. Kim; T. Eom; W. Cho; K. Woo; Y. Shon; J. Wie; B. Shim; "Soft electronics on asymmetrical porous conducting membranes bymolecular layer-by-layer assembly", <i>Sensors and Actuators B: Chemical</i> , 254, 916-925, 2018				
Career Achievements 업적 리스트 (Recent 3 ones)	T. Eom; K. Woo; W. Cho; J. Heo; D. Jang; J. Shin; D. Martin; J. Wie; B. Shim; "Nanoarchitecturing of Natural Melanin Nanospheres by Layer-by-Layer Assembly: Macroscale Anti-inflammatory Conductive Coatings with Optoelectronic Tunability", <i>Biomacromolecules</i> , 18, 1908-1917, 2017				
	Nanostructured Ce	ell-Free Photos	synthetic Biocom	ark; W. Ahn; J. Wie; B. Shim; "A posite via Molecularly Controlled s <i>B: Chemical</i> , 244, 1-10, 2017	
Others 기타사항					



Name	Surname		٢	/ang	
성함	Given Name		Hoichang		
Position 직급	Profess	sor	Gender 성별	■ Male □ Female	
Department 소속학과	Chemical En	gineering	Major 소속전공	Polymer Science	
Contact	Email	hcyang@inha	a.ac.kr		
Information	Telephone	+82-32-860-7	7494		
연락처 정보	Home Page	http://nanose	ed.dothome.co.ki	1/	
Monthly Stipend Proveded or Not 생활비 지급 의사	■ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master / Ph.D <u>2</u>	
	1. Organic S	Semiconductor	Based Soft Elect	ronics: Thin Film Transistors,	
Research Field 연구분야 설명		ls, Sensors, et			
연구군야 설명	2. Superhydrophobic Surface Coating				
			Optoelectronics	hains on Specific Chain	
	Influence of Branched Alkyl Ester-Labeled Side Chains on Specific Chain Arrangement and Charge-Transport Properties of Diketopyrrolopyrrole-Based				
Career	<u>Conjugated Polymers</u> , ACS Applied Materials & Interfaces, 2018 , <i>10</i> , 40681. Fine Control of Perovskite Crystallization and Reducing Luminescence Quenching				
Achievements				r for Efficient Perovskite Light-	
업적 리스트 (Recent 3 ones)	Emitting Diodes, Advanced Functional Materials, 2019, 29, 1807535				
		-	· · · · · · · · · · · · · · · · · · ·	Lead-Nitrate-Based	
	14023.	erovskite Solar	<u>Cell</u> , ACS Applie	ed Materials & Interfaces, 2017 , 9,	
	- Desserab	Liablight			
Others 기타사항			NTERFACES	<image/>	



Name	Surname	Youk		Youk	
성함	Given Name		Ji Ho		
Position 직급	Profess	sor	Gender 성별	⊠Male □ Female	
Department 소속학과	Chemical En	gineering	Major 소속전공	Polymer synthesis	
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Information 연락처 정보	Home Page	Google Scho https://schola ko		ations?user=0W1aX8YAAAAJ&hI=	
Monthly Stipend Proveded or Not 생활비 지급 의사	⊠ Yes □ No		Required Manpower 필요인력 수	(How Many) Master / Ph.D1	
	(1) Synthesis of Stimuli-Responsive Materials				
	- Thermo-responsive materials: Shape memory polymers				
	- Self-healing materials: Self-healing composites				
	(2) Synthesis of Functional Polymers				
	- Synthesis of block copolymers: Surface modification				
Research Field 연구분야 설명	- Graft polymerization: Binders for Li-ion batteries				
	- Synthesis of flame retardant monomers and polymers				
	(3) Applications	of Functional	Materials		
	- Electrospinr	- Electrospinning: Li-ion batteries separators			
	- Hard coating	g with polysilse	esquioxane		
	- Spinning: Fl	lame retardant	polyimide fibers		
			• •	s for Deployable Space Structures RS, 19, 1799 (2018).	
Career Achievements 업적 리스트 (Recent 3 ones)	 Microwave-assisted rapid one-step synthesis of poly(2-oxazoline)-based block copolymers using a dual initiator for CROP and RAFT polymerization, POLYMER, 87, 108 (2016). Suppressing molecular motions for enhanced room-temperature phosphorescence of metal-free organic materials, NATURE COMMUNICATIONS, 6, 8947 (2015) 				
Others 기타사항					



Name	Surname		Н	wang	
성함	Given Name		Sungwon		
Position 직급	Associate P	rofessor	Gender 성별	■ Male □ Female	
Department 소속학과	Chemical En	gineering	Major 소속전공	Chemical Engineering	
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Information	Telephone	+82-32-8607	461		
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Monthly Stipend Provided or Not 생활비 지급 의사	■ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master1_ / Ph.D1	
Research Field 연구분야 설명	CEPI Lab. is aiming to solve engineering problems in a creative way more effectively than conventional approach that arise in various types of process industries, and produce talented people equipped with basic theoretical knowledge and expertise in modelling and optimization of system engineering. List of industries that the system engineering technology applies to is (a) refinery and petrochemicals, (b) oil and gas, (c) pharmaceutical, (d) fine chemicals, (e) engineering and construction, (f) heavy industry, etc. <u>Research field</u> 1. New chemical process development and scale-up 2. Modeling and optimization of chemical process design and operation				
	3. Process s			th and environment	
Career Achievements			Chemical R&D C okyo Electron Ko		
업적 리스트 (Recent 3 ones)			yosung R&D Cer		
Others 기타사항	Nyosung Nub Contel Imposing Nub Conte				



Name	Surname			Lee	
성함	Given Name		Jong-Han		
Position 직급	Assistant pr	ofessor	Gender 성별	$$ Male \square Female	
Department 소속학과	Civil Engin	eering	Major 소속전공	Materials and Structural Engineering	
Contact	Email	jh.lee@inha.a	ac.kr / one.jhlee@	<u>⊉gmail.com</u>	
Contact Information	Telephone	+82-32-860-7	7564		
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Monthly Stipend Proveded or Not 생활비 지급 의사	√ Yes [⊐ No	Required Manpower 필요인력 수	(How Many) Master _1 / Ph.D _1	
	Materials and Con	crete Enginee	ring Lab.has mai	nly focused on	
	1) development of	smart materia	Ils based on cem	entitious and advanced materials,	
Research Field 연구분야 설명	2) application of smart materials to concrete and prestressed concrete structure			prestressed concrete structures,	
	3) development and application of Inspection and management systems based on				
	vision and data deep learning technologies				
	Vision-based mult	ipoint measure	ement systems fo	r structural in-plane and out-of-	
	plane movements	including twist	ting rotation, SMA	ART STRUCTURES AND	
Career	SYSTEMS , 2017				
Achievements	Flexural capacity a	and crack-clos	ing performance	of NiTi and NiTiNb shape-memory	
업적 리스트 (Recent 3 ones)	alloy fibers randomly distributed in mortar beams, COMPOSITES PART B-				
	ENGINEERING, 2	2018.			
				ntation and distribution in fiber-	
	reinforced cement	-based materia	als , COMPOSITI	E STRUCTURES, 2019	
Others 기타사항					



Name	Surname	SONG		
성함	Given Name	KIIL		KI IL
Position 직급	Associate Professor		Gender 성별	■ Male D Female
Department 소속학과	Civil Engin	neering Major 소속전공 Geotechnical Engineering		
Contact	Email	<u>ksong@inha</u>	.ac.kr	
Information	Telephone	010-6388-04	49	
연락처 정보	Home Page	-		
Monthly Stipend Proveded or Not 생활비 지급 의사	■ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master1 / Ph.D1
Research Field 연구분야 설명	Deep and subs Structural heal Al aid design of Sustainable devel Nondestructi electromagnetic Smart geophys Seismic analys Real-time disaster BIM-CPS-FEM	 Tunnel support design using optimization methods Deep and subsea tunnel monitoring system and analysis Structural health monitoring for tunnel using NDT technique Al aid design of TBM Cutterhead <u>ustainable development of infrastructure</u> Nondestructive characterization for soil and rock using elastic and electromagnetic waves Smart geophysical characterization technique for geo-infrastructures Seismic analysis on aged bridge foundation <u>eal-time disaster prevention based on IoT for geo-infrastructure</u> BIM-CPS-FEM(Building Information Modelling-Cyber Physical Systems– Finite Element Method) model for underground structure 		
Career Achievements	Back analysis of an operating subsea tunnel considering the degradation of ground and concrete lining, Marine Georesources & Geotechnology (2018) Electrical resistivity and elastic wave velocity of sand-cement-inorganic binder			
업적 리스트	mixture, Environm			
(Recent 3 ones)	Magnesium chlor mixture, Construc		-	vel-sand-cement-inorganic binder 8)
Others 기타사항	Geomecahnics Engineering Lab at Inha University has been involved in many national scientific research projects related to tunnelling. We has a strong background of numerical analysis and computational geomechanics. The finite element programming and genetic algorithm-based optimization by using a Visual Studio Developer that can design a pipe-roof pre-reinforcement system ahead of the tunnel face is supported by the Korean Advanced Institute of Science and Technology (KAIST) and Samsung. We also have a fundamental knowledge on the nondestructive characterization techniques that use elastic wave and electromagnetic wave propagation for the sustainable geotechnical development. Our main research topics are 1) Prediction of penetration rate using machine learning 2) Automation of tunnel support pattern design for NATM tunnel 3) Geophysical characterization for engineered geo-materials 4) Evaluation of segment backfill grouting quality using impact-echo 4) Propagation of elastic wave in jointed rock mass 5) Seismic performance evaluation of aged bridge foundation.			



Name	Surname			LEE
성함	Given Name	Given Name		ng-Chul
Position 직급	Profess	sor	Gender 성별	■ Male □ Female
Department 소속학과	Computer En	gineering	Major 소속전공	Computer Vision / Machine Learning
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Information	Telephone	+82-32-860-7	7442	
연락처 정보	Home Page	http://imageir	nfo.inha.ac.kr/	
Monthly Stipend Proveded or Not	∎ Yes [⊐ No	Required Manpower	(How Many)
생활비 지급 의사			필요인력 수	Master2 / Ph.D _1
Research Field 연구분야 설명	 Our main research interest is in computer vision, machine learning and multimedia: Machine learning (deep learning) for vision High-level Human-Computer interaction Medical image analysis. Content based video processing Major topic includes: Vision for drones, Autonomous car, AIDAS(Advanced Driver Assistance System), Human(brain)-computer interface, Anomaly detection in medicine. 			
Career Achievements 업적 리스트 (Recent 3 ones)	"Cell segmentation for quantitative analysis of anodized TiO2 foil", in IEEE Transactions on Industrial Informatics (in press) "Adaptive Bitrate Selection for Video Encoding with Reduced Block Artifacts", in proceedings of the ACM International Conference on Multimedia (ACM Multimedia 2016), Amsterdam, The Netherland, 2016. Hyun-Gyu Lee and Sang-Chul Lee, "Nucleus Segmentation Using Gaussian Mixture based Shape Models", in IEEE Journal of Biomedical and Health Informatics, vol. 22(1), pp. 235-243, IEEE, 2018.			
Others 기타사항			re detailed resea	rch topics and publication lists.



Name	Surname		S	SONG	
성함	Given Name		MINSEOK		
Position 직급	Profess	sor	Gender 성별	■ Male □ Female	
Department 소속학과	Computer En	gineering	Major 소속전공	System Software (Multimedia/real-time/cloud systems)	
Contact	Email	mssong@inh	na.ac.kr		
Information	Telephone	032-860-744	1		
연락처 정보	Home Page	https://sites.g	google.com/site/ir	nhaerslab/	
Monthly Stipend Proveded or Not 생활비 지급 의사	∎ Yes I	⊐ No	Required Manpower 필요인력 수	(How Many) Master1_ / Ph.D1	
Research Field 연구분야 설명	 We are actively doing research on system software technology for power optimization as follows: Development of system software technologies for servers with heterogeneous computing and storage environments Development of scheduling algorithms for workload allocation, temporal task distribution, and dynamic voltage scaling to optimize processing power consumption Development of data placement/caching/migration techniques to limit storage power consumption while guaranteeing the lifetime of storage medium 				
Career Achievements 업적 리스트 (Recent 3 ones)	 "Scheduling a Video Transcoding Server to Save Energy," ACM Transactions on Multimedia Computing Communications and Applications, vol 11. no. 2s, Article 45, February, 2015. "Saving Disk Energy in Video Servers by Combining Caching and Prefetching," ACM Transactions on Multimedia Computing Communications and Applications, vol 10, no. 1, Article 15, January 2014. "QoE-Aware Video Storage Power Management Based on Hot and Cold Data Classification," Proceedings of ACM NOSSDAV, 2018. 				
Others 기타사항	 Ongoing research projects: Development of Content/User-Aware Low-Power Multimedia System SW in Cloud Environments Study on Power Optimization Techniques for Video Streaming Environments Based on Clustered Edge Computing Research fields: System software Multimedia system software Embedded/mobile system software Cloud system software 				



Name	Surname			Noh	
Name 성함	Given Name			YoungTae	
Position 직급	Profes	sor	Gender 성별	Male D Female	
<u></u> Department 소속학과	Computer Engineering		B B B B B B B B B B B B B B B B B B B	Networked and Mobile Interaction System	
	Email	ytnoh@inha.	-		
Contact Information	Telephone	+32-860-744	5		
연락처 정보	Home Page	http://nsl.inha			
Monthly Stipend Provided or Not			Required Manpower	(How Many)	
생활비 지급 의사	_		필요인력 수	Integrated(MS+PhD) / PhD: <u>5</u>	
Research Field 연구분야 설명	Image @ a construction Integrated(MS+PhD) / Phile Image I construction Integrated(MS+PhD) / Phile Image I construction Integrated(MS+PhD) / Phile Image I construction Image I construction Image I constructine Image I constructine		developing proactive distraction erable situations. During the research nerable contexts? e rules for DND mode? gement systems? oile application to collect users' Studies ents, Smartphone usage tracking g behavior tracking ta collecting behaviors onormal data collection tions) with experiment/campaign , however, it is laborious for data a that especially involve mobile ng] nly focused on traffic load balancing in of data produced by IoT sensors and ons. Sometimes these data flows are loud side. For better data consumption fka (most recent streaming platform) sumers in the cloud. As a clustering tform by Google – Kubernetes, which rized applications and easy resource		
Career	Nyang, "Insta Wo	Measure: Inst rking Set of Ac	ant Per-flow Det tive Flows," IEE	oh, Aziz Mohaisen and Daehun ection UsingLarge In-DRAM E ICDCS'19, to appear. Ifrastructure-free Collaborative	
Achievements 업적 리스트	Indoor Positioning Scheme for Time-critical Team Operations," IEEE Trans.				
(Recent 3 ones)	Systems, Man, and Cybernetics: Systems, 2018. Rhongho Jang, DongGyu Cho, Youngtae Noh, and DaeHun Nyang, "RFlow+: An SDN-based WLAN Monitoring And Management Framework," IEEE INFOCOM 2017, Atlanta, GA, USA, May 1-4, 2017. (Best-in-session Presentation Award) [PDF] [PPTX]				



Name	Surname	ABUHMED		UHMED	
성함	Given Name		Tamer		
Position 직급	Assistant p	rofessor	Gender 성별	• Male D Female	
Department 소속학과	Computer er	ngineering	Major 소속전공	Software security	
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Information 연락처 정보	Telephone	+82 32 860 8	3986		
신국지 경도	Home Page				
Monthly Stipend Proveded or Not 생활비 지급 의사	■ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master <u>0</u> / Ph.D <u>2</u>	
Research Field 연구분야 설명	Software Security, Networks Security Analysis, Social Network Privacy, Cloud Security, Applied Cryptography, Mobile and Pervasive Computing Security, Security Applications based on Deep learning and Machine Learning				
Career	Code authorship Generation Comp		•	itional neural networks, Future 4-115, 2019	
Achievements 업적 리스트	Large-Scale and La	anguage-Oblivio	us Code Authorship	Identification, ACM CCS, 2018	
(Recent 3 ones)	A fuzzy ontology and SVM–based Web content classification system, IEEE Access vol. 5, pages 25781-25797, 2017				
Others 기타사항	UOIT keyboard: a constructive keyboard for small touchscreen devices, IEEE Transactions on Human-Machine Systems 45 (6), 782-789.				



Name	Surname		١	WON	
성함	Given Name		Jong-Hoon		
Position 직급	Associate P	rofessor	Gender 성별	■ Male D Female	
Department 소속학과	Electrical Future Vehi	-	Major 소속전공	Autonomous Navigation	
Contact	Email	jh.won@inha	.ac.kr		
Contact Information	Telephone	+82(0)32-860)-7406		
연락처 정보	Home Page	Autonav.inha	.ac.kr		
Monthly Stipend Proveded or Not 생활비 지급 의사	∎ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master1 / Ph.D1	
	 Signal Processir 	ng, Estimation	Theory and Appli	cations	
	 Kalman Filtering, Multi-Sensor Data Fusion and Target Tracking 				
	 Precise Positioning and Attitude Determination 				
Research Field	 Sensor Integration (e.g. GPS/INS/DR/etc.) 				
연구분야 설명	GNSS Receiver/Signal Design				
	 Next Generation 	GNSS System	n Design and Ana	alysis	
	 Navigation/Com 	munication Sys	stem Applications	s to Next Generation Smart	
	Vehicles				
	-	-		n GNSS Handbook (eds. by O. er, 2017. (ISBN 978-3-319-42926-	
Career Achievements 업적 리스트 (Recent 3 ones)	Analysis of Ground Transmitter Interference Range for GPS L1 Signals in the Ground Test-bed Environment of a Navigation Satellite System IET Radar, Sonar & Navigation, 2018, DOI: 10.1049/iet-rsn.2018.5294IET Digital Library			tellite System	
	A Script Hook-based Ultra-Low Cost Driving Simulator for Development of Self- Driving Algorithms, Proceedings of the ION 2019 Pacific PNT Meeting April 8 - 11, 2019, Hilton Waikiki Beach, Honolulu, Hawaii				
Others 기타사항	Required skills - One of the followings : communication, control, software programming (Matlab, C/C++, python, etc.)				
	Please visit our w	eb-page (autor	nav.inha.ac.kr) fo	r more details	



Name	Surname		C	Chang
성함	Given Name KyungHi		/ungHi	
Position 직급	Profess	sor	Gender 성별	☑ Male □ Female
Department 소속학과	Department of Enginee		Major 소속전공	Mobile Communications
Contact	Email	khchang@in	ha.ac.kr	
Information	Telephone	+82-32-860-8	8422	
연락처 정보	Home Page	https://bit.do/	/mtrl	
Monthly Stipend Proveded or Not 생활비 지급 의사	O Yes	No	Required Manpower 필요인력 수	(How Many) Master <u>3</u> / Ph.D <u>2</u>
Research Field 연구분야 설명	 Next Generation Public Safety Network Co-existence of PS-LTE & LTE-R/M Networks Service Priority-based RRM RAN Sharing Optimization 3GPP LTE & 5G Systems UDN (Ultra Dense Network) Mobile Personal Cell (eMBB) Machine-Type Communications (mMTC) Ultra-Low Latency (URLLC) Al (Machine/Deep Learning) & Big Data Cellular V2X Direct Communication Network-based Communication Network-based Communication Network-based Communication Portect Communication Network-based Communication Vehicular Ad-hoc Network (MANET) Flying Ad-hoc NW (FANET) Drone Monitoring System Architecture Detection & Classification using Machine Vehicular Ad-hoc Network (VANET) LTE-V2X Architecture / Interference Management eV2X / 5G-V2X Technology Analysis & Implementation Ship Ad-hoc Network (SANET) OSTN (Ocean Surveillance & Tracking NW) Underwater Network (UWN) System Model Link Adaptation Power Allocation & Control 			
Career Achievements 업적 리스트 (Recent 3 ones)	 Hidden Markov model-based drone sound recognition using MFCC technique in practical noisy environments, <i>Journal of Communications and Networks (JCN)</i>, vol.20, no.05, pp.509-518, Oct. 2018. QoS priority-based coordinated scheduling and hybrid spectrum access for femtocells in dense cooperative 5G cellular networks, <i>Trans Emerging Tel. Tech.</i>, pp.1-17, 2017; e3207. https://doi.org/10.1002/ett.3207, Jan. 2018. LTE-Railway user priority-based cooperative resource allocation schemes for coexisting public safety and railway networks, <i>IEEE Access</i>, pp.7985-8000, DOI 10.1109/ACCESS.2017.2698098, May 2017. 			



Name	Surname			Kim		
성함	Given Name		Deok-Hwan			
Position 직급	Full Professor		Gender 성별	🞽 Male 🛛 Female		
Department 소속학과	Electronic En	Electronic Engineering		Electronic Engineering (Computer System Track)		
Contact	Email	deokhwan@inha.ac.kr				
Information	Telephone	(+82) 10-466	0-3602			
연락처 정보	Home Page	http://iesl.inha	<u>a.ac.kr</u> (Intell	igent Embedded System Lab)		
Monthly Stipend Proveded or Not 생활비 지급 의사	H Yes	🗆 No	Required Manpower 필요인력 수	(How Many) Master / Ph.D2		
Research Field 연구분야 설명	Devices, Edge Devices, smart home & smart City with Deep Larning(AI) and Machine Learning(ML). - Deep Learning Algorithms and Applications for Embedded Devices, Robot Interface and Robot Operating Systems Platform, cloud-based software defined storage - Intelligent Social Robot : Embedded Device(IoT), Emotion and Event/Activity Recognition for Robot Control, Sensing and Acruator, Digital Systems. - ADAS / Autonomous Driving : Participate in the future vehicle student training program and train people who are interested in autonomous vehicles. - Word Indian Technology Medication of Kons - Word Indian Technology Medication of Kons - Kott Control, Sensing and Acruator, Digital Systems. - ADAS / Autonomous Driving : Participate in the future vehicle student training program and train people who are interested in autonomous vehicles.					
Career Achievements 업적 리스트 (Recent 3 ones)	 sEMG-signal and IMU sensor-based gait sub-phase detection and prediction using a user-adaptive classifier, To be appeared in Medical Engineering and Physics, 2019(SCIE) EOG-based eye tracking protocol using baseline drift removal algorithm for long-term eye movement detection, Expert Systems With Applications 131 (2019) 275–287 (SCI 2019) Energy-aware RAID scheduling methods in distributed storage applications(The Journal of Networks, Software Tools and Applications,(SCIE, 2018) GPU-accelerated high-performance encoding and decoding of hierarchical RAID in virtual machines(The Journal of supercomputing, SCI, 2018) Real-Time Gait Subphase Detection Using an EMG Signal Graph Matching (ESGM) Algorithm Based on EMG signals(Expert systems with applications vol, 					
Others 기타사항	atmosphere or pu graduated in 2016 such as Energy-as GPU-accelerated storage application devices in smart of	s in our lab blished SCI di 5, researches a ware RAID sch High perform n and Energy-a lassroom, thos	ssertations. as a as research profe eduling methods ance GPU-base aware and intellig se have been pub	ither researched in comfortable a proof, Ph.D Pirahandeh who has essor, has published many papers in distributed storage applications, ed parity computing scheduler in ent storage features for multimedia plished at SCI and SCIE. Currently, ent are joined with Our Laboratory.		



Name	Surname			Pyun	
성함	Given Name		Sukjoon		
Position 직급	Associate P	rofessor	Gender 성별	■ Male □ Female	
Department 소속학과	Department o Resources Er		Major 소속전공	Exploration Geophysics	
Contact	Email	pyunsj@inha	<u>.ac.kr</u>		
Information 연락처 정보	Telephone	+82-32-860-	7551		
인독자 영도	Home Page				
Monthly Stipend Proveded or Not 생활비 지급 의사	Yes	□ No	Required Manpower 필요인력 수	(How Many) Master2 / Ph.D	
	The main resea	rch topics of g	eophysical prosp	ecting lab (GPL) are the seismic	
	exploration-relate	d techniques.	The seismic meth	nod is the main tool for oil and gas	
	exploration. For this purpose, we develop seismic imaging and inversion				
Desearch Field	algorithms such as reverse-time migration, traveltime tomography and full				
Research Field 연구분야 설명	waveform inversion. We also develop microseismic monitoring techniques to study				
	earthquakes and mining safety problem. The seismic method can be used to				
	investigate groundwater flow and related pollutant behavior. We study the				
	application of seismic refraction method to characterization of groundwater flow				
	and pollutant pathway.				
		asing velocity i		inversion algorithm to estimate a eismic monitoring, Exploration 17-654.	
Career Achievements 업적 리스트	Park, Y., and Pyun, S., 2018, Refraction traveltime tomography based on damped wave equation for irregular topographic model, Journal of Applied Geophysics, 150, 160-171.				
(Recent 3 ones)	-			orm inversion using common mid- omain, Exploration Geophysics,	
	Basically, students are required to study computer programming (Fortran, C,				
	Python, etc.), engineering mathematics, and classical physics (mainly wave				
	propagation). Re-	cently, we star	ted to study AI-ba	ased seismic data processing and	
Others 기타사항	interpretat	tion technique:	s. Detailed applic	ations include source-type	
	characterizati	ion of microsei	smic event for mi	ining safety, fault detection for	
	structural interpre	etation, etc. So	o, students who a	re interested in machine learning	
			are welcome.		



Name	Surname			Seo	
성함	Given Name		Jung Hun		
Position 직급	Associate professor		Gender 성별	Male	
Department 소속학과	Energy & Re Enginee		Major 소속전공	Economic Geology & Resource Geology	
	Email	seo@inha.ac	<u>kr</u>		
Contact Information	Telephone	82 32 860 75	57		
연락처 정보	Home Page		-	gan/member_detail.aspx?Encrypt 'nY%2bGZ4g%3d%3d	
Monthly Stipend Proveded or Not 생활비 지급 의사	Yes	<u></u>	Required Manpower 필요인력 수	(How Many) Master 1 / Ph.D 1	
Research Field 연구분야 설명	 Geochemistry of Volcanic and Magmatic-Hydrothermal systems Geology of Ore Deposits, Magmatic and Magmatic-Hydrothermal Processes & Applications of Fluid and Melt Inclusions Analytical (Spectroscopic & Spectrometric) Geochemical Techniques, Stable Isotope Processes Petrology and W-Mo Mineral Explorations in Korea Petrology and Geochemistry of Volcanic Rocks in Antarctica Thermodynamic and Experimental Studies of Hydrothermal Systems 				
Career Achievements 업적 리스트	Magmatic-Hydrothermal Processes in Sangdong W-Mo deposit, Korea: Study of Fluid Inclusions and 39Ar-40Ar Geochronology, Ore Geol. Rev., 91, 316-334 Fractionation of Cl/Br during fluid phase separation in magmatic-hydrothermal fluids. Geochim. Cosmochim. Acta, 183, 125-137.				
(Recent 3 ones)	Separation of Molybdenum and Copper in Porphyry Deposits: The Roles of Sulfur, Redox and pH in Ore Mineral Deposition at Bingham Canyon: Econ. Geol. 107, 333-356				
Others 기타사항	Please see below	; nha.ac.kr/orga	n/member_detail	rology, and Mineral Exploration .aspx?EncryptedID=iJ18OD%2bP	



Name	Surname			Jeon
Name	Given Name		Ki-Joon	
Position	Associate P	rofessor	Gender	Male
Department	Environmental E	Engineering	Major	Environmental Engineering
	Email	inhafeetlab@	gmail.com	
Contact Information	Telephone	+821057211	195 (<u>Vietnamese</u>	<u>available</u>)
	Home Page	https://sites.g	joogle.com/view/i	nhaenvironment2
Monthly Stipend Provided or Not	Provide	ed	Required Manpower	PhD: 2 / M.S: 2
Research Field	 1. Air pollution and control Development of eye exposure tested chamber system with In-vivo and In-vitro experiment. Outdoor air quality (aerosol): Evaluation of fine dust size distribution, chemical component etc. on. Indoor emission characteristic: Evaluation of particles emission during operation of three-dimensional (3D) printer or cooking oily food. Development of dust collector for industrial scale using electricity and filter. 2. Renewable energy and environmental sensor 2D material property to use semiconductor transistor or electro catalyst for electrode Environmental sensor using metal oxide or TMDCs (Transition Metal Dichalcogenides). Electrode for water splitting to produce the hydrogen and degrade contaminants in the water. 			
	Determination of the			Imulation mode particles as a function
Career Achievements	Alternative cost		during the pan-fryir	roduction in saline water condition
(Recent 3 ones)	Acetaldehyde remo			rom biomass gasification over metal-
Others	Ioaded Kraft lignin char catalyst In our lab, there are 4 research professors, 2 Ph.D students, 1 Integrated student, 2 master course students and 4 undergraduate students. One of research professors is from India and, another research professor and 1 integrated student are from Vietnam. Our lab members usually use English when we have discussion and group meeting. If you want more information about our lab, please visit our lab homepage. (https://sites.google.com/view/inhaenvironment2)			



Name	Surname	Kim				
성함	Given Name		Jeo	Jeonghwan		
Position 직급	Associate P	rofessor	Gender 성별	<u>□ Male</u> □ Female		
Department 소속학과	Environmental Engineering		Major 소속전공	Membrane Technology for Water and Wastewater Treatment and Resource Recovery		
Contact	Email	jeonghwanki	m@inha.ac.kr			
Information 연락처 정보	Telephone	010-4020-14	46, 032-860-750	2		
	Home Page	http://whs.in	ha.ac.kr/~semt/			
Monthly Stipend Proveded or Not 생활비 지급 의사	<u>□ Yes</u>	□ No	Required Manpower 필요인력 수	(How Many) Master1 / Ph.D _1 _		
Research Field 연구분야 설명	Research interest in Sustainable Environmental Membrane Technology (SEMT) at Inha University focus on fundamental aspects and application of membrane technology in water and wastewater treatment. Particularly, we have studied extensively anaerobic membrane biotechnology for energy recovery along with wastewater treatment and reuse. In addition, the SEMT developed hybrid membrane technology raging from materials development to it application such as catalytic membrane and mixed matrix membrane for intensified processes for subsequent water reuse and fouling control.					
Career Achievements 업적 리스트 (Recent 3 ones)	 Novel staged anaerobic fluidized bed ceramic membrane bioreactor: Energy reduction, fouling control and microbial characterization, <i>Journal of Membrane Science</i>, M.Aslam, P. Yang, P. Lee and J. Kim, 2018, 553, 200-208 Metatranscriptomic evidence for classical and RuBisCO-mediated CO2 reduction to methane facilitated by direct interspecies electron transfer in a methanogenic system, P. Yang, G. Tan, M. Aslam, J. Kim and P. Lee, <i>Scientific Reports</i>, 2019, 9, 4116 Biologically induced mineralization in anaerobic membrane bioreactors: Assessment of membrane scaling mechanisms in a long-term pilot study, <i>Journal of Membrane Science</i>, D. Jun, Y. Kim, S. Hafenezami, K. Yoo, E. Hoek, J. Kim, 2017, 543-342-350 					
Others 기타사항	Importance and strong points of our researches in SEMT are interdisciplinary through international collaboration with common interests in membrane technology in water and wastewater treatment/reuse as well as energy recovery around the world. In last ten years, we have collaborated extensively with research institutes in Belgium, France and USA through national projects. In addition, we have now been extending our global research network to Hong Kong, UK, Pakistan and India. Selected students will be involved in this global research network by performing the national and industrial based research project on the various subjects of membrane technology. Students who are interested in joining our SEMT research group should have BS or MS degree in environmental engineering or related field (i.e., chemical engineering, materials science and engineering, physics, biology, mathematics or physics or other related fields). English score may be required. Most of all, anyone who has passions and enthusiasm on pursuing the answers of research questions in membrane technology for water and wastewater treatment with highly research motivations are always welcomed. Please contact with me if you have any inquiry on our research and graduate position in SEMT laboratory.					



Name	Surname			Park	
성함	Given Name		Kwan-Dong		
Position 직급	Professor		Gender 성별	[■] Male □ Female	
Department 소속학과	Geoinformatic I	Engineering	Major 소속전공	GPS, Autonomous Driving	
Contact	Email	kdpark@inha	a.ac.kr		
Information	Telephone	+82-32-873-	4310		
연락처 정보	Home Page	https://www.	opsoln.com		
Monthly Stipend Provided or Not 생활비 지급 의사	■ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master2 / Ph.D2	
Research Field 연구분야 설명	High-precision GPS/GNSS data processing GPS sensor development for autonomous driving Geodesy and geophysical GPS				
Career	The school lab	ooratory's nam	e is "SNL", which Laboratory.	stands for Satellite Navigation	
Achievements 업적 리스트			•	GPS/GNSS-sensor development cise Positioning Solution Inc."	
(Recent 3 ones)				blished numerous GPS/GNSS- and Korean journals	
Others 기타사항	All the laboratory members or graduate students are working on government or industrial research projects, thus are being financially supported by the project money. Master's students and doctoral students get about 1500 and 2300 U.S. dollars per month, respectively.				



Name	Surname			KIM	
성함	Given Name		HAKIL		
Position 직급	Professor		Gender 성별	□ Male □ Female	
Department 소속학과	Information & Cor Enginee Future Vehicle E	ing	Major 소속전공	Computer Vision Image Processing	
Contact	Email	hikim@inha.a	ac.kr		
Information	Telephone	032-860-738	5		
연락처 정보	Home Page	http://vision.i	nha.ac.kr		
Monthly Stipend Proveded or Not 생활비 지급 의사	■ Yes [⊐ No	Required Manpower 필요인력 수	(How Many) Master / Ph.D _1	
Research Field 연구분야 설명	 Biometrics: Fingerprint, Finger vein,Iris or Face recognition using deep neural networks Human action recognition in video surveillance using deep neural networks Object detection and tracking for an intelligent vehicle using deep neural networks 				
Career Achievements 업적 리스트 (Recent 3 ones)	 "Presentation Attack Detection Using a Tiny Fully Convolutional Network," IEEE Transactions on Information Forensics and Security, 2019. "Real-time and robust multiple-view gender classification using gait features in video surveillance," Pattern Analysis and Applications, DOI 10.1007/s10044-019- 00802-6, 2019. "Mixture separability loss in a deep convolutional network for image classification," 				
Others 기타사항	 IET Image Processing, Vol. 13, Issue 1, January 2019. There are four Vietnamese graduates (3 Ph.D. and 1 Master) who finished their degrees and became professors in Vietnam. 				



Name	Surname	Park			
성함	Given Name	Daeyoung			
Position 직급	Profess	sor	Gender 성별	■ Male □ Female	
Department 소속학과	Informatio Communio		Major 소속전공	Wireless Communication / Signal Processing	
	Email	dpark@inha.	<u>ac.kr</u>		
Contact Information	Telephone	032-860-837	6		
연락처 정보	Home Page	http://comsys		/ tions?user=iCQPQ8wAAAAJ	
Monthly Stipend Provided or Not 생활비 지급 의사	■ Yes		Required Manpower 필요인력 수	(How Many) Master1_ / Ph.D1_	
Research Field 연구분야 설명	* Wireless Common * Signal Processin * Optimization The	ng with Machin	e Learning		
Career	"Iterative waterfilli IEEE Trans. Com	-		ssian MIMO broadcast channels,"	
Achievements 업적 리스트	"Secrecy rate implant a helping interfere		•	ng in MIMO wiretap channels with ology, 2017.	
(Recent 3 ones)	"Improved sufficient condition for performance guarantee in generalized orthogonal matching pursuit" IEEE Signal Processing Letters, 2017.				
Others 기타사항	 We are looking for an excellent Master/PhD student in the area of signal processing and communication systems. Depending on the student's experience and interests, the student will start working in one of the following fields: Signal processing algorithm for sparse signal recovery Signal processing with machine learning MIMO communications system design Requirements: The research topics require excellent mathematical skills and extensive C/Matlab/Python programming expertise. The successful candidate needs to have a BS degree in Electrical/Computer Engineering or in a related discipline with high GPA. 				



Name	Surname			Park	
성함	Given Name		Jae	-Hyeung	
Position 직급	Profess	sor	Gender 성별	🗹 Male 🛛 Female	
Department 소속학과	Informatic Communication		Major 소속전공		
Contact	Email	jh.park@inha	a.ac.kr		
Information 연락처 정보	Telephone	+82-32-860-7	7432		
인국지 영도	Home Page	http://3dlab.ir	nha.ac.kr		
Monthly Stipend Proveded or Not 생활비 지급 의사	⊠ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master _1 / Ph.D1	
Research Field 연구분야 설명	 Optics for Augmented Reality (AR) Displays (Head mounted displays, Near eye displays, Vehicle head up displays) Holographic capture and displays Computer Generated Hologram Light field capture and displays 				
Career Achievements 업적 리스트 (Recent 3 ones)	 JH. Park, M. Askari, "Non-hogel-based computer generated hologram from light field using complex field recovery technique from Wigner distribution function," Optics Express, vol. 27, no. 3, pp. 2562-2574, (2019). JH. Park, SB. Kim, "Optical see-through holographic near-eye-display with eyebox steering and depth of field control," Opt. Express vol. 26, no. 21, pp. 27076-27088 (2018). SB. Kim and JH. Park, "Optical see-through Maxwellian near-to-eye display with an enlarged eyebox," Optics Letters, vol. 43, no. 4, pp. 767-770, (2018). 				
Others 기타사항					



Name	Surname		S	ang-Jo
성함	Given Name			Yoo
Position 직급	Profess	sor	Gender 성별	□ <u>Male</u> □ Female
Department 소속학과	Informatio Communi		Major 소속전공	Communication and Networking
Contact	Email	sjyoo@inha.	ac.kr	
Information 연락처 정보	Telephone	+83-32-860-	8304	
	Home Page	http://multine	t.inha.ac.kr	
Monthly Stipend Proveded or Not 생활비 지급 의사	□ <u>Yes</u>	□ No	Required Manpower 필요인력 수	(How Many) Master2 / Ph.D
Research Field 연구분야 설명	We (Multimedia Network Laboratory) mainly research the technologies for wireless communication networks which include wireless sensor networks (WSN), wireless network protocols and next generation cognitive radio networks. Our current research projects aim at examining how recent AI (artificial intelligent) technologies can be applied to wireless networking issues such as UAV flying ad-hoc network protocol design and cognitive engine implementation for software defined radio.			
Career Achievements 업적 리스트 (Recent 3 ones)	Optimal Resource Allocation Using Support Vector Machine for Wireless Power Transfer in Cognitive Radio Networks, IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, 2018 Q-learning-based dynamic joint control of interference and transmission opportunities for cognitive radio, EURASIP JOURNAL ON WIRELESS COMMUNICATIONS AND NETWORKING, 2018 Optimal UAV Path Planning: Sensing Data Acquisition Over IoT Sensor Networks Using Multi-Objective Bio-Inspired Algorithms, IEEE ACCESS, 2018			
Others 기타사항	We are very welcoming foreign students (master or Ph.D. degree) who are really interested in wired/wireless communication networks, Internet protocols, computer networks, mobile communication systems, and networked multimedia platform development.			



Name	Surname			Park	
성함	Given Name		Ir	n Kyu	
Position 직급	Profess	sor	Gender 성별	■ Male □ Female	
Department 소속학과	Informatio Communication		Major 소속전공	Computer Vision, Graphics, Image Processing	
Contact	Email		pik@i	inha.ac.kr	
Information	Telephone		+82-32	2-860-9190	
연락처 정보	Home Page		http://ima	age.ina.ac.kr	
Monthly Stipend Provided or Not 생활비 지급 의사	■ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master 0 / Ph.D 2	
Research Field 연구분야 설명	 We work in integrated areas of computer vision, computer graphics, and image processing. Especially or research field includes Multi-view (light field) image processing for depth estimation, free-viewpoint rendering Computational image reconstruction such as image/video deblurring, super-resolution, noise reduction. 3D human (face and body) reconstruction from images and videos Deep learning to solve the above problems Application of computer vision algorithms for augmented and virtual reality 				
	"Robust light field depth estimation using occlusion-noise aware data costs," <i>IEEE Trans. on Pattern Analysis and Machine Intelligence</i> , vol. 40, issue 10, pp. 2484-2497, October 2018 (top journal in computer vision).				
Career Achievements 업적 리스트 (Recent 3 ones)	"Reflection removal under fast forward camera motion," <i>IEEE Trans. on</i> <i>Image Processing</i> , vol. 26, no 12, pp. 6061-6073, December 2017 (top journal in image processing).				
	"Joint blind motion deblurring and depth estimation of light field," <i>Proc. European Conference on Computer Vision</i> (ECCV 2018), September 2018 (top conference in computer vision).				
Others 기타사항	 Image and Vision Computing Lab was founded in March 2004 by Prof. In Kyu Park Currently we have 1 full-time faculty and 8 graduate students (3 of them are international students) and 1 staff member. We aim to perform world-leading research and publish quality papers in top level journals and conferences. Currently we are running 4 projects funded by government and industrial party. We prefer hiring Ph.D or integrated M.S./Ph.D students who can continue their study and research in a long term with more depth. For more information, please visit our homepage (http://image.inha.ac.kr) 				



Name	Surname		E	Byun
성함	Given Name	Gyungsu		vungsu
Position 직급	Associate P	rofessor	Gender 성별	Male
Department 소속학과	Informatic Communi		Major 소속전공	Intelligent Electronics and RF/Analog IC and System Design
Contact	Email	gsbyun@inh	a.ac.kr	
Information	Telephone	+82-32-860-7	7435	
연락처 정보	Home Page	http://mics.i	nha.ac.kr/	
Monthly Stipend Proveded or Not 생활비 지급 의사	Yes		Required Manpower 필요인력 수	(How Many) MS (1) or MS/PhD (1)
Research Field 연구분야 설명	 Smart Artificial Intelligent (AI) electronics (coding-based smart IC and system design for future mobile smart communication and computing electronics) Ultra-low-power compact neural-synaptic communication IC and system design High-performance memory/CPU interface for high-computing systems Intelligent wireless/wireline communication and computing systems. 			
Career Achievements 업적 리스트 (Recent 3 ones)	 National Science Foundation (NSF) CAREER Award (2015) Over 70 research products (31 SCI journals, 28 conference, 12 patents) Major funding from Samsung, NRF and NSF 			
Others 기타사항	 Major key research project topics you could perform (if you join ICSlab) Smart Artificial Intelligent (AI) electronics (coding-based smart IC and system design for future mobile smart communication and computing electronics) Ultra-low-power compact neural-synaptic communication IC and system design High-performance memory/CPU interface for high-computing systems Intelligent RF communication systems. 			



Name	Surname			Seo	
성함	Given Name		Yeongkyo		
Position 직급	Assistant Pr	ofessor	Gender 성별	🗆 Male 🛛 Female	
Department 소속학과	Informatio Communication		Major 소속전공	VLSI and Circuit Design	
Operate	Email	yeongkyo@ir	nha.ac.kr		
Contact Information 연락처 정보	Telephone	+82 32-860-7	7415		
연락서 경도	Home Page	https://sites	.google.com/vie	ew/circuits-lab	
Monthly Stipend Proveded or Not 생활비 지급 의사	O Yes >	(No	Required Manpower 필요인력 수	(How Many) Master1 / Ph.D1	
	Circuits and Systems Lab is a part of the Department of Information and Communication Engineering at Inha University, Incheon, South Korea, under the direction of Prof. Yeongkyo Seo. We focus on high performance and energy efficient custom digital circuit design by Silicon and non-Silicon technologies. Also, our research interests focus on In-Memory Computing Devices, Circuits, and Systems				
Research Field 연구분야 설명	using CMOS and post-CMOS Memories for Neuromorphic Applications. Our group currently has multiple openings to hire graduate students as well a undergraduate research interns who are interested in custom digitial circuit desig for neuromorphic computing system. If you are interested, please send an email wit your brief resume to Prof. Yeongyko Seo (yeongkyo at inha.ac.kr)				
Career Achievements 업적 리스트 (Recent 3 ones)	 Y. Seo, K-W. Kwon, X. Fong, and K. Roy, "High Performance and Energy-Efficient On-Chip Cache using Dual Port (1R/1W) Spin-Orbit Torque MRAM," IEEE Journal of Emerging and Selected Topics in Circuits and Systems, vol. 6, no. 3, pp. 293– 304, Sep. 2016. Y. Seo, K-W. Kwon, and K. Roy, "Area-Efficient SOT-MRAM with a Schottky Diode," IEEE Electron Device Letters, vol. 37, no. 8, pp. 982–985, Aug. 2016. Y. Seo, and K. Roy, "High-Density SOT-MRAM Based on Shared Bitline Structure," IEEE Transactions on Very Large Scale Integration Systems, vol. 26, no. 8, pp. 1600–1603, Aug. 2018. 				



Name	Surname			Choi
성함	Given Name			Rino
Position 직급	Profess	sor	Gender 성별	🗵 Male 🛛 Female
Department 소속학과	Materials Sci.	and Eng.	Major 소속전공	
Contact	Email	rino.choi@in	ha.ac.kr	
Information	Telephone	+82-32-860-	7529	
연락처 정보	Home Page	http://sndl.ca	mpushomepage.	com/
Monthly Stipend Proveded or Not 생활비 지급 의사	🗵 Yes	□ No	Required Manpower 필요인력 수	(How Many) Master1 / Ph.D
Research Field 연구분야 설명	 Semiconductor devices for logic and memory applications Process and material issues for scaling of devices Device reliability and electrical characterization Novel devices for new computational architectures 			
Career	Korea prime	minister award	for semiconducto	or research excellency (2014)
Achievements 업적 리스트	Program directe	or of Ministry o	f Commerce, Ind (2012-2014)	ustry and Energy R&D program
(Recent 3 ones)	Create Electrical Characterization and Reliability Project in SEMATECH			
Others 기타사항	In our lab, <u>we have 2 senior Vietnamese students from University of Science i Hochiminh</u> . They can help new students for on and off campus living			



Name	Surname			Lee	
성함	Given Name		Jeong-Hwan		
Position 직급	Assistant P	rofessor	Gender 성별	Male	
Department 소속학과	Materials So Enginee		Major 소속전공	Organic semiconductor devices	
Quality	Email	jeong-hwan.l	ee@inha.ac.kr		
Contact Information 연락처 정보	Telephone	+82-32-860-7	7525		
전국지 경도	Home Page	https://sites.g	joogle.com/view/	aolinha/	
Monthly Stipend Proveded or Not 생활비 지급 의사	Yes		Required Manpower 필요인력 수	(How Many) Master / Ph.D1	
	1. Optoelectronic	Materials and	Devices		
	- Hybrid (organic + inorganic) semiconductor devices				
	- Optoelectronic devices such as Light-emitting diodes (LED), Photovoltaic (PV),				
	Thin Film Transistor (TFT), Sensor and detector, Flexible optoelectronic devices				
Research Field 연구분야 설명	2. Optical and Electrical Characterization of semiconductor devices				
	- Recombination	and emission	mechanism in se	miconductor devices.	
	- Investigation of charge trapping and temperature dependent behaviors				
	- Transient opto-	electrical chara	acterization		
	- Interface modif	ication, metal/s	emiconductor (S	C) and SC/SC interfaces	
Career		Sm	all 15, 1900135 (2019)	
Achievements 업적 리스트	ŀ	Advanced Elec	tronic Materials 5	, 1800437 (2019)	
(Recent 3 ones)	Advanced Functional Materials 28, 1800001 (2018)				
Others 기타사항	We want to make a bright future with you by advanced optoelectronic devices. For the purpose, we are dealing with various kind of materials such as organic, inorganic, and hybrid materials. In addition, our interest is developing advanced opto-electronic devices using the materials and investigating fundamental science of working devices behind the background under electrical or optical excitation. We are looking for Ph.D student in the field of organic electronics, For detail information, contact to Prof. Lee (jeong-hwan.lee@inha.ac.kr)				



Neme	Surname		Та	e June	
Name	Given Name		Kang		
Position	Associate pr	rofessor	Gender	■ Male D Female	
Department	Mechanical Er	ngineering	Major	nanomaterials, energy harvesting, nanocomposites	
	Email	tjkang@inha.	ac.kr		
Contact Information	Telephone	82-32-860-73	304		
	Home Page	aml.inha.ac.k	r		
Monthly Stipend Provided or Not	■ Yes I	□ No	Required Manpower	(How Many) Master 2 / Ph.D 2	
Research Field	Advanced Materials Laboratory (AML) at INHA University is focused on developing novel materials and advanced manufacturing technologies to improve the performance of mechanical and energy & environmental applications. Our research area includes energy & environmental nanocomposites, micro/nanomachined sensors and actuators, intelligent soft robots and energy harvesters that convert wasted energies into useful electrical energy.				
Career Achievements	"High efficiency electrochemical thermal energy harvester using CNT aerogel sheet electrodes", Nature Communications, 7, 10600, 2016 "Ultra-thin and conductive nanomembrane arrays for nanomechanical transducers",				
(3 ones selected)	Advanced Materials, 20 (16) 3131-3137, 2008. "Sandwich-type laminated nanocomposites developed by selective dip-coating of carbon nanotubes", Advanced Materials, 19 (3), 427-432, 2007.				
Others	Note that research position in AML is only available for students who want to complete the integrated degree of M.S. and Ph.D or Ph.D. degree (not available for M.S. degree only).				



Name	Surname			Kim
성함	Given Name		Gi-Woo	
Position 직급	Associate P	rofessor	Gender 성별	■ Male □ Female
Department 소속학과	Mechanical Er	ngineering	Major 소속전공	Control, Measurement
Contact	Email	gwkim@inha	.ac.kr	
Information	Telephone	+82-32-860-7	7313	
연락처 정보	Home Page	http://sssl.inh	<u>a.ac.kr/</u> (Smart S	tructures and Systems Lab)
Monthly Stipend Proveded or Not 생활비 지급 의사	■ Yes [⊐ No	Required Manpower 필요인력 수	(How Many) Master1 _ / Ph.D1
Research Field 연구분야 설명	 Advanced Control of Dynamic Systems & Mechatronics Opto-mechanical Sensors Based on Mechanoluminescence Learning From Human Auditory Systems (Middle and Inner Ears) Concepts and Control of Compliant Deployable Structures for Solar Sails Vehicular Electronics and Machine Vision with Deep Learning Smart material-based sensor and actuators 			
Career Achievements 업적 리스트 (Recent 3 ones)	 Yooil Kim, Ji-Sik Kim, and Gi-Woo Kim, "A Novel Frequency Selectivity Approach Based on Travelling Wave Propagation in Mechanoluminescence Basilar Membrane for Artificial Cochlea", Scientific Reports (IF: 4.259) 8, 12023, 2018 Jong-Yoon Yun and Gi-Woo Kim, "Harnessing the bilinear nonlinearity of a 3D printed biomimetic diaphragm for acoustic sensor applications", Mechanical Systems and Signal Processing (IF: 4.84) Vol 116, pp. 710-724, 2019. Sun-Woo Kang, Jung-Sik Kim, and Gi-Woo Kim, "Road Roughness Estimation Based on Discrete Kalman Filter with Unknown Input", Vehicle System Dynamics, 2010 			
Others 기타사항	2019. Google Scholar https://scholar.google.co.kr/citations?user=BL6oQRsAAAAJ&hl=en ResearchGate https://www.researchgate.net/profile/Gi Woo Kim ORCID: https://orcid.org/0000-0003-4625-0382			



Name	Surname			Kim	
성함	Given Name		Sun -Min		
Position 직급	Professor		Gender 성별	Male 🗆 Female	
Department 소속학과	Mechanical E	ingineering	Major 소속전공	Thermodynamics & Fluid Mechanics	
Contact	Email	sunmk@inha	a.ac.kr		
Information 연락처 정보	Telephone	+82-32-860-	7328		
연락서 경도	Home Page	https://www.l	bsl.inha.ac.kr		
Monthly Stipend Proveded or Not 생활비 지급 의사	Yes	□ No	Required Manpower 필요인력 수	(How Many) Master / Ph.D <u></u>	
Research Field 연구분야 설명	Microfluidics platform for biological studies Lab/Organ on a Chip Biomimetic Membranes platform for sensor and screening applications Mechanical Energy Harvesting				
Career Achievements	Biomimetic membranes as potential tools for water purification: Preceding and future avenues, Desalination 2019 (Top 2%) An electrokinetic approach to fabricating aquaporin biomimetic membranes for				
업적 리스트 (Recent 3 ones)	water purification, Desalination 2019 (Top 2%) Hypoxic Physiological Environments in a Gas-Regulated Microfluidic Device,				
	Hypoxic Phys	-	nments in a Gas- Vicromachines 20	-	
Others 기타사항	 Supervised PhD student thesis selected as "Excellent Dissertation Award in Fluid Engineering,2019" from Korean Society of Mechanical Engineers Graduate students won prestigious "International Travel Award" from Biophysical Society, USA 2017 and 2018 Supervised students received several "Best paper and Oral presentation awards" International and national 				



Name	Surname			Kim
성함	Given Name	Jaehwan		
Position 직급	Profes	sor	Gender 성별	■ Male □ Female
Department 소속학과	Mechanical E	ngineering	Major 소속전공	Sold and Manufacturing
Contact	Email	jaehwan@in	ha.ac.kr	
Information	Telephone	+82-32-874-	7325	
연락처 정보	Home Page	http://ncfc.inl	na.ac.kr/	
Monthly Stipend Provided or Not 생활비 지급 의사	■ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master5 / Ph.D _5
Research Field 연구분야 설명	Environment-friendly composites design, fabrication and characterization Nanocellulose material preparation and applications Multifunctional nanocomposites for energy harvesting and biomedical applications Soft actuators for soft robots and smart optics Flexible sensors for multipurpose			
Career		Cellulose Nan	ofiber Filament, I	
Achievements 업적 리스트	One-step hanoo		ig convers tissue Cellulose, 25(9), 4	paper into an efficient separation 871-4886, 2018
(Recent 3 ones)	"Perspective and potential of smart optical materials," Smart Mater. Struct., 26, 093001(31pp), 2017			
Others 기타사항	Creative Research Center for Nanocellulose Future Composites is a government supported long-term research center, via National Research Foundation of Korea. The center envisions an internationally unique research center that will bring the impact of nanocellulose based smart material technology into real world. Researchers and students drawn from a wide spectrum of disciplines are devoting their efforts towards the development and implementation of environmental-friendly smart materials and devices. Since this research is multi-disciplinary area, domestic and international collaboration are essential and welcomed.			



Name	Surname		CH	UL-HEE
성함	Given Name			LEE
Position 직급	Profess	sor	Gender 성별	🗹 Male 🛛 Female
Department 소속학과	Mechanical Er	ngineering	Major 소속전공	Solid Mechanics & Manufacturing Engineering
Contact	Email	avdclab@out	look.com	
Information	Telephone	+82-32-860-7	7311	
연락처 정보	Home Page	http://avdclat	o.inha.ac.kr/	
Monthly Stipend Proveded or Not 생활비 지급 의사	⊠ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master / Ph.D3
	Trans	sportation-Vehi	cle Components	Design and Controls,
Desseret Field	Tri	bology (Frictio	n, Adhesion, Wea	ar and Lubrication),
Research Field 연구분야 설명	Structural FE Analysis and Optimization,			Optimization,
	Vehicle Dynamics and Vibration Analysis,			
		Smart Mat	erials and Mecha	anical Control
Career				bearing: Feasibility study
Achievements 업적 리스트	I ribological and	-	ests of core-snell sed magnetorhe	typed carbonyl iron/polystyrene ological fluid
(Recent 3 ones)	Piezoelectric en			d with a compliant load amplifier
Others 기타사항	 Virtual Product Development 3D CAD and CAE programs are used for various mechanical component parts based on virtual product development process and design and analysis are carried out in various fields. Optimization We are carrying out researches on optimization through design and DOE, structural and shape optimization using topology optimization and multidomain optimization. Tribology It is an area of science and technology that deals with two aspects that affect one another while exercising relatively and related problems, including friction, wear and lubrication. Smart System Control & Dynamic Analysis 			
 Smart materials include shape memory alloys that maccording to temperature, MRF and MRE whose rheol change depending on the magnetic field, and variaterials Autonomous Vehicle The component kinematic design, vehicle dynamics condynamic simulation and performance evaluation of autonomous 				RE whose rheological properties field, and various piezoelectric icle dynamics control technology,



Name	Surname		ł	Kang
Indille	Given Name		Jaeyoung	
Position	Profess	sor	Gender	■ Male □ Female
Department	Mechanica	al Eng.	Major	Vibration & Dynamics
	Email	kangj@inha.a	ac.kr	
Contact Information	Telephone	82-32-860-73	324	
	Home Page	http://dsvl.inh	a.ac.kr/	
Monthly Stipend Proveded or Not	■ Yes [⊐ No	Required Manpower 필요인력 수	(How Many) Master1 / Ph.D1
Research Field	 Friction noise and vibration of automotive and railway Nonlinear vibration and chaos Computational multi-body dynamics NASA Heliogyro solar sail 			
Career Achievements	 Vice-chair, INHA-NASA joint research center, 2018~present NRF, Numerical simulation of Squeak noise, 2017~present NRF, Development of FEM algorism for squeak noise and its experimental validation, 2014~2017 NRF, Comprehensive model of brake squeal and its simulation, 2010~2013 The 24th Best paper award in the Korean Federation of Science and Tech. Soc., 2014 			
Others 기타사항	Our lab is one of the world-leading research groups in the field of friction noise and vibration. Over 50 research papers related to friction noise have been published. Experiment, Theory and computation algorithm on the brake squeal and other mechanical squeak have been developed in our group and applied to Hyundai Motors and LG Chem. Particularly, the flexible multi-body structure with sliding and moving parts is our recent interest. Recently, we launched the new research project on the large deformable dynamics for the space structure like NASA Heliogyro solar sail. We will extend our research scope to space deployable dynamics.			



Name	Surname		٢	Moon	
성함	Given Name		Seoksu		
Position 직급	Assistant P	rofessor	Gender 성별	☑ Male □ Female	
Department 소속학과	Mechanical E	ngineering	Major 소속전공	Mechanical Engineering	
Contact	Email	ss.moon@ai	st.go.jp		
Information 연락처 정보	Telephone	+82-32-860-	7378		
전력서 정도	Home Page	http://neel.inl	na.ac.kr/		
Monthly Stipend Proveded or Not 생활비 지급 의사	⊠ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master1 / Ph.D1	
Research Field 연구분야 설명	We analyze and perform the modeling of engine spray and combustion processes which can be accommodated to the 1D or 3D virtual engine tools for the ultimate optimization of next-generation engines fueled with conventional fuels or alternative fuels (biofuels, naphtha, dimethyl-ether, natural gas and so on). We also develop cutting-edge X-ray measurement techniques for the analysis of high-speed microscale flows from high-pressure injectors for automotive engines which speed reaches up to 700 m/s. These works are performed with the collaboration of automotive companies such as Hyundai, Mazda, Isuzu and Denso and also the foreign national institutes such as Argonne National Laboratory (US) and AIST (Japan).				
Career Achievements 업적 리스트 (Recent 3 ones)	 Hole number effect on spray dynamics of multi-hole diesel nozzles: An observation from three- to nine-hole nozzles, EXPERIMENTAL THERMAL AND FLUID SCIENCE, 102, pp. 387~396, 2019. Near-nozzle spray dynamics of 6-hole GDI injector under subcooled and superheated conditions, FUEL, 232, pp. 308~316, 2018. Potential of direct-injection for the improvement of homogeneous-charge combustion in spark-ignition natural gas engines, APPLIED THERMAL 				
Others 기타사항	ENGINEERING, 136, pp. 41~48, 2018. Our lab has broad collaboration networks with domestic and foreign automotive companies and research institutes so that the graduate students can have opportunities to visit and perform the researches in abroad which will help the students to raise their global senses as well as research potentials. The students having basic knowledge on themodynamics, fluid mechanics, internal combustion engines are welcomed.				



Name	Surname			Kim	
성함	Given Name		Ň	Yooil	
Position 직급	Associate P	rofessor	Gender 성별	√□ Male □ Female	
Department 소속학과	Naval Architectu Enginee		Major 소속전공	Structural Mechanics	
Contact	Email	yooilkim@inł	na.ac.kr		
Information	Telephone	8232860734	7		
연락처 정보	Home Page	http://mdsl.do	othome.co.kr/		
Monthly Stipend Proveded or Not 생활비 지급 의사	√⊡ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master _1_ / Ph.D _1_	
	 Advanced Engi 	ineering			
	✓ Ship hydro	pelasticity inclu	ding springing/wh	nipping	
	✓ Mooring chain fatigue analysis considering OPB/IPB				
	✓ LNG sloshing and CCS strength assessment				
	Arctic Technology				
	✓ Probabilistic ice load estimation				
	✓ Ice-induced fatigue of ship/offshore structure				
Dessereh Field	✓ Ice-induced abrasion and friction				
Research Field 연구분야 설명	 Structural Integrity Management 				
	✓ Probabilistic crack propagation analysis				
	 ✓ Structural reliability analysis 				
	✓ Risk-based inspection planning				
	✓ Signal processing				
	 Data-driven Design Technology 				
	✓ Nonlinear system identification				
	✓ Data-driven time series forecast				
	✓ Application	n of artificial ne	eural network		
Career	ISSC(Internationa member	al Ship Structur	al Committee) Qu	uasi-static response committee	
Achievements 업적 리스트	Editorial Board M Engineering	ember, Interna	tional Journal of N	Naval Architecture and Ocean	
(Recent 3 ones)	Best paper award, Korean Federation of Science and Technology Societies Best paper award, Society of Naval Architects of Korea				



	Surname		C	houng		
Name	Given Name		Joonmo			
Position	Full profe	essor	Gender	■ Male □ Female		
Department	naval arch. and	ocean eng.	Major	Ship and offshore structures		
Operate at	Email	jmchoung@ir	nha.ac.kr			
Contact Information	Telephone	+82 10 8604	7346			
	Home Page	http://sose.in	ha.ac.kr/			
Monthly Stipend	■ Yes	🗆 No	Required	Master (2 vacancies)		
Proveded or Not			Manpower	Ph.D (2 vacancies)		
	Research for m	aterials and o	ductile fracture			
	·	J ST15-U ST30-U ST45-U	- To develop new	r fracture models against ship		
		355	collisions, and u	underwater explosions.		
			- To conduct mat	erial calibration tests and		
			structural failure	e tests using 50tonf UTM and		
	al and a second se	L.	5tonf HTM (hig	n speed test machine).		
	 Research for floating offshore wind turbines (FOWT) 					
Research Field	Jun 2014 torre	Bilden leyne Daspat leyne	- New OPB fatig	ue prediction technique.		
			- Fully coupled aero-hydro-structure-mooring			
			dynamics tech	nique.		
	Landin () 4743-22 hazimin Red(2)	99.2):3+62 -(d+-245):(d++245)=6207	- ANN (artificial r	neural network) model for FOWT.		
	Research for ice-to-arctic vessel interactions					
	Sale -		- Ship-to-ice res	istance simulations using FEA		
		U lodesier	- Ice crushing mechanics based on continuum			
	1, Inst	issilor	theory			
Coroor	Student can study	the problems	that they introduc	ced or identified.		
Career Achievements	Students can cond	centrate on spe	ecial projects.			
	Students can be a	uthor of popul	ar publications.			
	 Laboratory faci 	ilities				
	- 50tonf UTM for monotonic strength tests and cyclic fatigue tests suited with					
	temperature chamber from -200 to +300					
	- 5tonf HTM for high speed strain rate tests suited with temperature chamber					
Others	Monthly payment					
	- more than one n	nillion KRW fo	r a master studer	nt and two million KRW for a ph.d		
	student					
	 Annual incentivity 	ve				
	- abt 1 million KRV	V for a master	student and abt 2	2 million KRW for a ph.d student		



Name	Surname	JIN			
성함	Given Name		HYOUNG-JOON		
Position 직급	Profess	sor	Gender 성별	□ Male □ Female	
Department 소속학과	Polymer Sci.	and Eng.	Major 소속전공	Polymerization, carbon, natural polymer, fiber, carbon electrode	
Contact	Email	hjjin@inha.a	c.kr		
Information	Telephone	+82-2-860-74	483		
연락처 정보	Home Page	lucs.inha.ac.	kr (Korean versic	on only)	
Monthly Stipend Proveded or Not 생활비 지급 의사	Yes	□ No	Required Manpower 필요인력 수	(How Many) Master / Ph.D2	
Research Field 연구분야 설명	The main research interests in this group are currently in nanostructured carbons for energy storage and conversion, and nanofabrication of polymeric materials and biopolymers, especially silk fibroins and bacterial celluloses, for electronic devices. - The study aims to develop anode material for secondary batteries and high barrier film by manufacturing reduced graphene based on large-area exfoliated graphene. - Fabrication of reduced graphene oxide by using surface modification for high energy batteries and gas barrier films				
Career	Ultra stro	• • • •	n fibres with long- INICATIONS, 8, µ	-range ordering, NATURE op74, 2017	
Achievements 업적 리스트		•	•	es for sodium metal anodes, S, 8, 1701261, 2018	
(Recent 3 ones)	Carbonization of		et-rich silk protein MMUNICATIONS	into pseudographitic pyroprotein, S, 6, 7145, 2015	
Others 기타사항	 This research will pave the way to obtain the core-technology of energy storage materials for "Fourth Industrial Revolution" by developing surface modification of large lateral-sized expoliated graphene. This study will be expected to apply into emerging fields such as next generation mobile electronics, HEV, PHEV, and FCEV. This technology will envision broad and important impacts on core-technology related to electrochemical systems and barrier film industries as well as on high profit areas for future industry. 				



Name	Surname		k	(won	
성함	Given Name		Yong Ku		
Position 직급	Profess	sor	Gender 성별	■ <u>Male</u> □ Female	
Department 소속학과	Department o Science and E	•	Major 소속전공		
Contact	Email	ykkwon@inh	a.ac.kr		
Information 연락처 정보	Telephone	+82-32-860-7	7482		
전력자 경도	Home Page	http://nano.in	ha.ac.kr		
Monthly Stipend Proveded or Not 생활비 지급 의사	■ <u>Yes</u>	□ No	Required Manpower 필요인력 수	(How Many) Master / Ph.D _ <u>1</u>	
	-Synthesis and ba	attery application	ons of nanoscale i	materials such as nanoparticles,	
	nanoporous materials, aerogel and xerogels				
Research Field	-Synthesis of conducting polymers, high performance polymers for electronic,				
연구분야 설명	photonic and battery applications				
	-Synthesis of reprocessible thermoset polymers, biodegradable polymers				
	-Structure analysis of nanostructured polymeric materials				
		ontaining hollo		je, mechanically strong polyimide ica nanospheres, Comp. Sci.	
Career Achievements 업적 리스트		phene-2,5-diyl)	-alt-(3-cyanothiop	tion of low bandgap conjugated bhene-2,5-diyl)] by direct 2018	
(Recent 3 ones)	Y.K. Kwon et al., V	Vell-defined ho crificial copolyn	ollow nanochanne	led-silica nanospheres prepared and surfactant nanocylinders,	
Others 기타사항	-Don't worry for your background and intellectual achievement! I just want to work with sincere students to do their best for their future no matter what he or she has now.				



Introduction of Laboratory (LeeKH, bioorganic Lab)

Name	Surname	Lee			
성함	Given Name		Keun-Hyeung		
Position 직급	Profes	sor	Gender 성별	■ Male □ Female	
Department 소속학과	Chemi	stry	Major 소속전공	Organic chemistry	
Contact	Email	Leekh@inha	.ac.kr		
Information	Telephone	+82-32-860-8	8784		
연락처 정보	Home Page				
Monthly Stipend Proveded or Not 생활비 지급 의사	∎ Yes	□ No	Required Manpower 필요인력 수	1(How Many) Master / Ph.D _1	
Research Field 연구분야 설명	Bioorganic chemistry, chemosensor, nano-organic materials				
Career Achievements 업적 리스트 (Recent 3 ones)	 Highly sensitive ratiometric detection of heparin and its oversulfated chondroitin sulfate contaminant by fluorescent peptidyl probe, <i>Biosensors and Bioelectronics</i>, 2017, 91, 545 Development of new peptide-based receptor of fluorescent probe with femtomolar affinity for Cu(I) and detection of Cu(I) in Golgi apparatus <i>Biosensors and Bioelectronics</i>, 2016, 85, 437 Stimuli-Responsive Conformational Conversion of Peptide Gatekeepers for Controlled Release of Guests from Mesoporous Silica Nanocontainers, <i>J. Am. Chem. Soc</i> 2014, 136, 				
Others 기타사항			12880.		



Name	Surname		S	oo-Jin	
성함	Given Name		Park		
Position 직급	Professor		Gender 성별	■ Male □ Female	
Department 소속학과	Chemis	stry	Major 소속전공	Material chemistry	
Contact	Email	sjpark@inha	.ac.kr		
Information	Telephone	+82-32-876-7	7234		
연락처 정보	Home Page	sjpark.inha.a	c.kr		
Monthly Stipend Proveded or Not 생활비 지급 의사	∎ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master <u>1</u> / Ph.D <u>2</u>	
	Areas of Research I	Interests:	L		
Research Field 연구분야 설명	 Surfaces and Interfaces of Carbon, Ceramic, Polymer, and Composite Materials Adsorption and Catalytic Properties of Nanoporous Materials for Energy, Electronics, and Environments. 				
Career Achievements 업적 리스트 (Recent 3 ones)	 Large-Scale Conductive Yarns Based on Twistable Korean Traditional Paper (Hanji) for Supercapacitor Applications: Toward High-Performance Paper Supercapacitors, Advanced Energy Materials, 2018, 8, P. 1810854 Facile construction of MoO₃@ZIF-8 core-shell nanorods for efficient photoreduction of aqueous Cr (VI), Applied Catalysis B: Environmental, 2019, 240, P.92-101 H₂O₂/steam activation as an eco-friendly and efficient top-down approach to enhancing porosity on carbonaceous materials: the effect of inevitable oxygen functionalities on CO₂ capture, Green Chemistry, 2018, 20, 5224-5234. 				
Others 기타사항					



Name	Surname			Ro
성함	Given Name		C	hul-Un
Position 직급	Profes	sor	Gender 성별	Male D Female
Department 소속학과	Chemis	stry	Major 소속전공	Analytical Chemistry Environmental Chemistry
Contact	Email	curo@inha.a	c.kr	
Contact Information	Telephone	+82 10 6381	1400	
연락처 정보	Home Page	iws.inha.ac.k	r/~curo	
Monthly Stipend Proveded or Not 생활비 지급 의사	Yes	□ No	Required Manpower 필요인력 수	(How Many) Master2 / Ph.D2
		Er	nvironmental ana	lysis
	Atmospheric aerosol particles			
Research Field	Single-particle analysis			
연구분야 설명	(see the research papers on Google Scholar $ ightarrow$			
	https://scholar.google.com/citations?hl=en&user=rw3HlykAAAAJ&view_op=list_wo			
	rks&sortby=pubdate)			
	Single-particle characterization of aerosols collected at a remote site			
	in the Amazonian rainforest and an urban site in Manaus, Brazil			
	L Wu, X Li, HK Kim, H Geng, RHM Godoi, CGG Barbosa, AFL Godoi,			
	Atmospheric Chemistry and Physics 19 (2), 1221-1240, 2019			
	Single particle mineralogy of microparticles from Himalayan ice-cores			
Career Achievements	using SEM/ED	X and ATR-	FTIR imaging	techniques for identification
업적 리스트	of volcanic ash signatures			
(Recent 3 ones)	MA Malek, HJ Eom, H Hwang, S Do Hur, S Hong, S Hou, CU Ro			
	Chemical Geology 504, 205-215, 2019			
	Single-particle analysis of industrial emissions brings new insights for			
	health risk assessment of PM			
	V Dappe, G Uzu, E Schreck, L Wu, X Li, C Dumat, M Moreau, B Hanoune,			
	Atmospheric Pollu	ution Research	9 (4), 697-704, 2	2018
Others 기타사항	2. Full supp	ort for the par	tring the study pe ticipation to the fo east once in a yea	preign conference, e.g. in Europe,



Name	Surname		Cha	ng Bum	
성함	Given Name		Jo		
Position 직급 Department 소속학과	Assistant pr Chemis		Gender 성별 Major 소속전공	☑ Male □ Female Material chemistry	
	Email	jochangbum	L I		
Contact Information	Telephone	+82-32-860-7			
연락처 정보	Home Page	https://jochar	ngbum.wixsite.cor	n/catalyst	
Monthly Stipend Proveded or Not 생활비 지급 의사	☑ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master / Ph.D2	
Research Field 연구분야 설명	 Rational design of functional nanomaterials for catalysis Catalysis in petrochemical processes and environmental chemistry C1 (CO₂, CH₄) chemistry Mesoporous silica, zeolite, carbon 				
Career Achievements 업적 리스트 (Recent 3 ones)	 Highly monodisperse supported metal nanoparticles by basic ammonium functionalization of mesopore walls for industrially relevant catalysis Chem. Commum. 53, 3810-3813 (2017) Synthesis of Silicate Zeolite Analogues Using Organic Sulfonium Compounds as Structure-Directing Agents, Angew. Chem. Int. Ed. 54, 12805-12808 (2015) Random-graft polymer-directed synthesis of inorganic mesostructures with ultrathin frameworks. Angew. Chem. Int. Ed. 53, 5117-5121 (2014). 				
Others 기타사항					



Name	Surname			Kim	
성함	Given Name		Hong Seok		
Position 직급	Associate P	rofessor	Gender 성별	■ Male □ Female	
Department 소속학과	Molecular N	Nedicine	Major 소속전공	Molecular Biology	
Contact	Email	kimhs0622@	<u>}inha.ac.kr</u>		
Information 연락처 정보	Telephone	032-860-983	4		
인국지 영도	Home Page				
Monthly Stipend Proveded or Not 생활비 지급 의사	∎ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master1/ Ph.D	
Research Field 연구분야 설명	 Atherosclerosis oxidative stress induced by metabolic disease inflammation (monocyte/macrophage, endothelial cell) Cancer molecular mechanisms of carcinogenesis signal pathway in tumor progression 				
Career Achievements 업적 리스트 (Recent 3 ones)	Free Radic Biol Med. 109:75-83, 2017. Sci Rep. 6:34223, 2016.				
Others 기타사항	Antioxid Redox S				



Name	Surname		KIN	1	
성함	Given Name		KYU-SUNG		
Position 직급	Professor		Gender 성별	■ Male □ Female	
Department 소속학과	Otorhinola	aryngology (ENT)	Major 소속전공	Neurotology, Aerospace Medicine	
Contact	Email	stedman@inha.ac.ki	r		
Information	Telephone	(032) 890-3620	032) 890-3620		
연락처 정보	Home Page	https://www.inha.com	n/eng/departmen	t/department_pop_01.php?idx=94	
Monthly Stipend Proveded or Not 생활비 지급 의사	■ Y	′es □ No	Required Manpower 필요인력 수	(How Many) Master: <u>1</u> / Ph.D: <u>1</u>	
Research Field 연구분야 설명	 Space Medicine: Conducting researches focused on the space adaptation syndrome, spatial awareness mechanisms in space, medical prevention/treatment system development. Neuro-vestibular research: Based on electrophysiological methods, assessing the neuronal responses to kinetic and electrical stimulations in the vestibular nucleus, cerebellum and thalamus. All interesting brain regions are related to the vestibular end organs. Motor control and Neural diseases: Animal experiments by constructing animal models with labyrinthectomy and intractable neural diseases. Performing behavior tests and immunochemistry. 				
Career Achievements 업적 리스트 (Recent 3 ones)	 Research Fund Acquisition (2018-2027): National Research Foundation of Korea Board of scholar directors in the Korean Balance Society Member of Editorial Directors of Aerospace Medical Association of Korea Member of Consultants in Korean Federation of Sci. and Tech. Societies Board of Directors in Korean Society of Otorhinolaryngology-Head & Neck Surg. 				
Others 기타사항	Inha Research Institute for Aerospace Medicine (IIAM) was founded to support by the funding resources from Korean NRF in 2018, and there are three affiliated research groups for space medicine; neurovestibular, vascular, and immunologic field in extreme environments, such as microgravity, radioactivity, hypobaric and temperature, etc. To conduct the addressed topics, the institute facilitates various research equipments; 5-axis kinetic vestibular stimulation system, multi-channel microelectrode array (MEA), OnmiPlex Neural Data Acquisition system, PlexStim Electrical Stimulator system, rotarod system, manual rotary microtome, tissue floatation water bath, biological microscopes for immunochemistry.				



Name 성함	Surname			Han
	Given Name		Inn-Oc	
Position 직급	Professor		Gender 성별	√ Female
Department 소속학과	Medicine, Pr	nysiology	Major 소속전공	Neuroscience
Contact	Email	iohan@inha.	ac.kr	
Information	Telephone	82-10-7252-3643		
연락처 정보	Home Page			
Monthly Stipend Proveded or Not 생활비 지급 의사	√ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master / Ph.D _2
Research Field 연구분야 설명	 Cognitive Science (Alzheimer's Disease) Neuroimmunology Molecular Immunology Metabolism (Diabetes, Obesity) 			
Career Achievements 업적 리스트 (Recent 3 ones)	Glucosamine improves survival in a mouse model of sepsis and attenuates sepsis induced lung injury and inflammation (2018) J Biol. Chem, 294(2) : 608-622 Hypoxia-Induced Neuroinflammation and Learning–Memory Impairments in Adult Zebrafish Are Suppressed by Glucosamine (2018) Molecular Neurobiology 55(11) : 8738–8753 LPS-stimulated iNOS induction is increased by Glucosamine under normal Glucose conditions but is inhibited by Glucosamine under high Glucose conditions in Macrophage cells. (2017) J Biol. Chem 292(5): 1724-1736.			
Others 기타사항				



Name	Surname		ŀ	Kang		
성함	Given Name		Ju-Hee			
Position 직급	Full Professor		Gender 성별	■ Male □ Female		
Department 소속학과	Pharmacology, Medici	-	Major 소속전공	Clinical Pharmacology		
Contact	Email	johykang@in	ha.ac.kr			
Information	Telephone	+82-32-860-9	+82-32-860-9872			
연락처 정보	Home Page					
Monthly Stipend Proveded or Not 생활비 지급 의사	∎ Yes	□ No	Required Manpower 필요인력 수	(How Many) Master / Ph.D _ <u>1</u> _		
Research Field 연구분야 설명	 Neurodegenerative disease Development of cerebrospinal fluid biomarkers for early diagnosis Alzheimer's disease (AD) under collaboration with Korean clinician ar researchers in United States; Clinical cohort studies and evaluation applicability Development of blood biomarkers for AD targeting circulating microRNA extracellular vesicles; Evaluation of clinical efficacy of miRNA biomarke and investigation of role of target miRNA in AD pathogenesis. Investigation for the pathogenic roles of ischemic damage in A pathogenesis, particularly in tau modification and amyloid production. Aging-induced Sarcopenia Investigation of novel molecular mechanisms of aging-induced sarcopen using in vitro cell culture model and in vivo models: major target extracellular molecules, myokines, and adipokines. Preventive or therapeutic effects of various molecules against developme of aging-induced sarcopenia; Pharmacological mechanisms of action 			bration with Korean clinician and cohort studies and evaluation of targeting circulating microRNA in cal efficacy of miRNA biomarkers in AD pathogenesis. s of ischemic damage in AD tion and amyloid production. isms of aging-induced sarcopenia in vivo models: major target is dipokines. us molecules against development		
Career Achievements 업적 리스트 (Recent 3 ones)	Kim S, et al., Roles of Exosome-Like Vesicles Released from Inflammatory C2C12 Myotubes: Regulation of Myocyte Differentiation and Myokine Expression. (2018) Cellular Physiology and Biochemistry, 48:1829-1842. Joa KL, et al., Effects of task-specific rehabilitation training on tau modification in rat with photothrombotic cortical ischemic damage. (2017) Neurochemistry International, 108:309-317. Kang JH, et al., CSF biomarkers associated with disease heterogeneity in early Parkinson's disease: the Parkinson's Progression Markers Initiative study. (2016) Acta Neuropathologica,131:935-949					
Others 기타사항	Currently, 1 senio course; 1 Korean supported by natio If available, I will which will provide Monthly stipend v stipend will be o KW/month).	r researcher, 1 and 1 Thais) onal research o support to pa the insights ou vill be provide dependent on	research associa join my lab. They grants. articipate in dome ur research fields. d, however, it sho the grants ava should be used f	ate and 2 graduate students (PhD y work several projects which are estic or international conferences, ould be noted that the amount of ilable (usually, at least 600,000 or appropriate purpose, therefore ies without permission.		



Name	Surname			Ryu	
성함	Given Name		Jeong Seon		
Position 직급	Medical doctor		Gender 성별	■Male □ Female	
Department 소속학과	Department c Medici		Major 소속전공	Pulmonology, Lung cancer	
Contact	Email	jsryu@inha.a	jsryu@inha.ac.kr		
Information	Telephone	82+10-9975-	82+10-9975-1956		
연락처 정보	Home Page	gbu772.wixs	ite.com/lungca		
Monthly Stipend Proveded or Not 생활비 지급 의사	More than 1,000 dependent upon experti	applicant's	Required Manpower 필요인력 수	Master1_ / Ph.D1	
Research Field 연구분야 설명	 We have focused translational research to develop diagnostic, prognostic, and predictive biomarker in lung cancer. Early diagnose of lung cancer and monitoring curative effacement NGS analysis based lung cancer diagnosis method development Development of non-invasive/minimally invasive biomarkers Establishment of monitoring system for the blood-based chemotherapy effect Precursor of lung cancer genome analysis WES / RNA sequencing based lung cancer precursor genome analysis Development of specific biomarker for early lung cancer Clinical cohort and functional genomics research Clinical information analysis Genome transcriptome and TMA based protein expression characteristics 			curative effacement method development asive biomarkers blood-based chemotherapy effect precursor genome analysis r lung cancer rch	
Career Achievements 업적 리스트 (Recent 3 ones)	 Connection analysis and function research Prognostic Impact of Minimal Pleural Effusion in Non-Small-Cell Lung Cancer, J Clin Oncol, 32(9), pp. 960~960, 2014 Proteins involved in DNA damage response pathways and survival of stage I non- small-cell lung cancer patients. Ann Oncol. 23(8), pp. 2088-93, 2012 Effect of BRCA1 haplotype on survival of non-small-cell lung cancer patients treated with platinum-based chemotherapy. J Clin Oncol. 26(36), pp. 5972-9, 2008 				
Others 기타사항	-		cohort establishm d matched clinica		



Name	Surname		٢	⁄ang	
성함	Given Name		Su-Geun		
Position 직급	Associate Professor		Gender 성별	Male	
Department 소속학과	College of N	ledicine	Major 소속전공	Biomedical Science	
Contact	Email	orosyang@g	orosyang@gmail.com, sugeun.yang@inha.ac.kr		
Information	Telephone	82-10-3628-0468			
연락처 정보	Home Page	www.inhame	dic.com		
Monthly Stipend Proveded or Not 생활비 지급 의사	Yes		Required Manpower 필요인력 수	(How Many) Master <u>1</u> / Ph.D <u>1</u>	
Research Field 연구분야 설명	 Polymer-based medical and pharmaceutical engineering Nanomedicine for cancer therapy and cancer imaging NIR-laser based photodynamic cancer therapy 3D bioprinting and medical devices Space medicine and cell physiology (NASA collaboration research) Microgravity, cosmic radiation protection Space disease prevention medicine 			ncer imaging erapy	
Career Achievements 업적 리스트 (Recent 3 ones)	NIR-responsive ROS generating core and ROS-triggered 5'-Deoxy-5- fluorocytidine releasing shell structured water-swelling microgel for locoregional combination cancer therapy, Journal of Controlled Release Volume 305, 10 July 2019, Pages 120-129MT1-MMP Responsive Doxorubicin Conjugated Poly(lactic-coglycolic Acid)/Poly(styrene-alt-maleic Anhydride) Core/Shell Microparticles for Intrahepatic Arterial Chemotherapy of Hepatic Cancer, ACS Appl Mater Interfaces. 2017 Jan 11;9(1):71-79.Tumor-suppressing miR-141 gene complex-loaded tissue-adhesive glue for the locoregional treatment of hepatocellular carcinoma, Theranostics. 2018 Jun 24;8(14):3891-3901.				
Others 기타사항	 Preferences Major: chemical engineering and polymer science, synthetic chemistry Medical doctor English: Strong English peaking and writing power for science discussion and paper writing Strong enthusiasm and passion for science 			ng power for science discussion	



Name	Surname			Kim	
성함	Given Name	Young Hyo			
Position 직급	Associate Professor		Gender 성별	□ Male □ Female	
Department 소속학과	Dept. of Otorhing	olaryngology	Major 소속전공	Rhinology/Allergy/ Sleep Medicine	
Contact	Email	inhaorl@inha	a.ac.kr		
Information	Telephone	+82-32-890-2437			
연락처 정보	Home Page	N/A			
Monthly Stipend Provided or Not 생활비 지급 의사	□ Yes	<u>□ No</u>	Required Manpower 필요인력 수	(How Many) Master1_ / Ph.D1	
	Our laboratory is r	mainly for stud	ying the pathophy	vsiology of immunological	
	diseases such as	allergic rhinitis	and allergic asth	ma. The facilities and research	
Dessereh Field	protocols for these experiments are well established, and you can learn				
Research Field 연구분야 설명	experimental techniques and theories from research professors and senior				
	researchers. We also have an aerospace medical research institute funded by the				
	Korea Research Foundation. We have the only advanced equipment in Korea to				
	-			paropressure on living things.	
	Kim YH, Lee SM, Cho S, Kang JH, Minn YK, Park H, et al. Amyloid beta in nasal secretions may be a potential biomarker of Alzheimer's disease. Sci Rep. 2019 Mar 21;9(1):4966.				
Career Achievements 업적 리스트	Jang TY, Jung AY, Kwon S, Kim YH. Hypergravity enhances the therapeutic effect of dexamethasone in allergic asthma and rhinitis animal model. PLoS One. 2018 May 17;13(5):e0197594.				
(Recent 3 ones)	Park KI, Jang TY, Yang SC, Hong HS, Kim YH. Correlation of Nasal Eosinophilia and Response after Nasal Provocation Test in Patients with Nonallergic Rhinitis. Otolaryngol Head Neck Surg. 2018 Aug;159(2):231-237.				
Others 기타사항	Our laboratory publishes more than five international SCI papers annually. We wi at least recognize your co-authorship for every paper you contribute. And of course I'll give you the first authorship for the paper you're most mainly contributing. Our lab is based on timely commute to work and leave. So you can spend you evenings at leisure, except when the experiment is very busy. Also, you don't have to come to the lab on weekends. We can provide the economic support you need for your conference. You can also provide meal tickets for meals at the hospital. Our university will be able to offer you full or half scholarships. If you work hard in our lab for more than a year, the nex year we can consider supporting your life in Korea.				



Name	Surname			Lee	
성함	Given Name		Hyun-Joo		
Position 직급	Associate Professor		Gender 성별	🗆 Male 🔳 Female	
Department 소속학과	Dep. of Consun	ner Science	Major 소속전공	Retail and Consumer Sciences	
Contact	Email	Hyunjoo.lee@	Hyunjoo.lee@inha.ac.kr		
Information	Telephone	82-32-860-8118			
연락처 정보	Home Page	http://consum	ner.inha.ac.kr/use	er/consumer/	
Monthly Stipend Proveded or Not 생활비 지급 의사	□ Yes ∎	∎ No	Required Manpower 필요인력 수	(How Many) Master1 / Ph.D1	
Research Field 연구분야 설명	Retail technology (self-service technology, mobile payment system, VR, etc.) Sustainable consumption Cross-cultural consumer behavior			nption	
Career Achievements 업적 리스트 (Recent 3 ones)	 Lee, H-J. & Lyu, J. (in press). Exploring factors which motivate older consumers' self-service technologies (SSTs) adoption. <i>The International Review of Retail, Distribution and Consumer Research,</i> SCOPUS. Lee, H-J. & Hwang, J. (2016). The driving role of consumers' perceived credence attributes in organic food purchase decisions: A comparison of two groups of consumers. <i>Food Quality and Preference,</i> 54, 141-151. SCI. Lee, H-J. & Lyu, J. (2016). Personal values as determinants of intentions to use self-service technology in Retailing. <i>Computers in Human Behavior,</i> 60, 322-332. SSCI. 				
Others 기타사항	Fluent in English Research experience related to consumer behavior, retailing, marketing A PhD student is preferred, but not available a Master student is acceptable				



Name	Surname			Kim	
성함	Given Name		Sung-Bum		
Position 직급	Assistant professor		Gender 성별	Male	
Department 소속학과	Business adm	ninistration	Major 소속전공	Business administration	
Contact	Email	kimsungb@inha.ac.kr			
Information	Telephone 82-32-860-7		739		
연락처 정보	Home Page	https://www.i	nha.ac.kr/cop/sea	arch/profView.do	
Monthly Stipend Proveded or Not 생활비 지급 의사	No		Required Manpower 필요인력 수	(How Many) Master _1 / Ph.D1	
Research Field 연구분야 설명	Dr. Sung-Bum Kim's research interests include hospitality, tourism and service management, and marketing. He places special focus on consumer behavior and psychology in the hotel, restaurant, and tourism industries.			on consumer behavior and	
Career Achievements 업적 리스트 (Recent 3 ones)	 Choi, K., Meng, B., & Kim, S. B.* (2019). The influence of cultural familiarity on Tanzanian millennials' perceptions of Korea: the mediating roles of involvement. Asia Pacific Journal of Tourism Research. [SSCI] Kim, S. B., Lee, S., & Kim, DY. (2018). The effect of service providers' facial hair on restaurant customers' perceptions. Service Business, 12, 277-303. [SSCI] Kim, S. B., Kim, K. J., & Kim, DY. (2016). Exploring the effective restaurant CrM ad: The moderating roles of advertising types and social causes. International Journal of Contemporary Hospitality Management, 28(1), 2473, 2402. [SSCI] 				
Others 기타사항	 Contemporary Hospitality Management, 28(1), 2473-2492. [SSCI] After he earned his bachelor's, master's, and doctoral degrees in the U.S., Dr. Sung-Bum Kim joined Inha University in 2015. Dr. Kim is currently an assistant professor in Inha's College of Business Administration. Dr. Kim has a strong record of research and scholarship with significant contributions to the literature. As a part of his research program, Dr. Kim has published papers in such toptier refereed journals as Annals of Tourism Research, Tourism Management, the Cornell Hospitality Quarterly, the International Journal of Contemporary Hospitality Management, the Journal of Travel and Tourism Marketing, the Asia Pacific Journal of Tourism Research, Service Business, Computers in Human Behavior, and more. Dr. Kim also is a frequent reviewer of scholarly papers for top-tier refereed journals review. Dr. Kim has also presented his research at international conferences. In 2011, a paper he presented was selected as best paper at the Tourism Sciences Society of Korea (TOSOK) international tourism annual conference. In addition, he is currently advising a master's degree student from Vietnam. 				



Name	Surname		,	Won	
성함	Given Name	JongChan			
Position 직급	Professor		Gender 성별	Male D Female	
Department 소속학과	Korean Language	e & Literature	Major 소속전공	Children's Literature	
Contact	Email	wjc92@inha.	ac.kr		
Information	Telephone	032-860-799	032-860-7996. 010-4706-9096		
연락처 정보	Home Page	Inha.ac.kr			
Monthly Stipend Proveded or Not 생활비 지급 의사	□ Yes	No	Required Manpower 필요인력 수	(How Many) Master3 / Ph.D _3	
Research Field 연구분야 설명	Despite that the publication of children's books is increasing sharply, the study of children's literature is rather isolated. There are almost no colleges studying children's literature as a field of study. However, Inha University has had many students majoring in Children's Literature since the old times and its alumni are pursuing further studies as college professors in Korea, China, Vietnam, and more. The study of Children's Literature does not discuss the lessons taught by children's literature, but it considers children's literature as a field of art to discuss the accomplishments.				
Career Achievements				s Literature』 (2018)	
업적 리스트	『History of Children's Literature in East Asia』 (2017)				
(Recent 3 ones)	[『] Children's Literature in North Korea』 (2012)				
Others 기타사항	Inha University's Department of Korean Literature Graduate Program currently has more than 10 students majoring in Children's Literature who are active as writers and critics and some students are from China and Vietnam. In 2020, we will apply for the BK21 (Brain Korea 21) Prime to foster students majoring in Korean Studies of East Asia. Once this project is finalized, all graduate students in the Department of Korean Literature can receive additional scholarships.				