

2018 인천글로벌대학 산학연계형 기업지원사업

「IGC 전문가 Pool」

성명	***	고유번호	IGC UESP-1
구사언어	한국어, 영어		
전문분야	<p>(1) 인공지능 (AI)</p> <ul style="list-style-type: none"> - Machine Learning / Deep Learning - Autonomous vehicles - Adversarial Systems - Scheduling algorithms - Computer vision - Image processing <p>(2) Big-Data processing</p> <ul style="list-style-type: none"> - Text mining & Natural Language Processing - Speech recognitions - Bioinformatics <p>(3) Security</p> <ul style="list-style-type: none"> - Blockchain - Privacy - Authentication Systems - Intrusion/Anomaly detection Systems <p>(4) Network</p> <ul style="list-style-type: none"> - Satellite communications - Wireless network 		

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성명	***	고유번호	IGC UESP-2
구사언어	한국어, 영어		
전문분야	<p>(1) Wireless Network</p> <p>(2) Software Defined Radio</p> <p>(3) Software Defined Network</p> <p>(4) VR (Virtual Reality)</p> <p>(5) IoT (Internet of Things)</p> <p>(6) AI based System</p> <p>(7) Multimedia</p> <p>(8) Mobile System</p> <p>(9) 4G/5G standard</p> <p>(10) Activity Recognition.</p> <p>※보유 지식재산권</p> <p>* Nov 2010 Full-Rate Cooperative Relay Publication No. US2012/0127914 A1 on May 2012</p> <p>* Apr 2008 Method for Deciding Period of Information-Exchange in Wireless Network Publication No. 101006314 on Dec 2010</p> <p>* Mar 2008 Method and System of Transmission Power Decision according to Network Topology Configuration based on Angular Information and Recording Medium thereof Publication No. 100975037 on Aug 2010</p>		

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성명	***	고유번호	IGC UESP-3
구사언어	한국어, 영어		
전문분야	<p>(1) Genomics and Bioinformatics</p> <p>(2) Biomedical Informations</p> <ul style="list-style-type: none"> - Health Care data & Knowledge - Mobile Health - Process Management - Social Media Data - Diagnostics - Genimics <p>※ 대표 논문업적</p> <ul style="list-style-type: none"> - Evidence of selection on splicing-associated loci in human populations and relevance to disease loci mapping - molecular Cancer Research - The effects of alternative slicing on miRNA binding sites in bladder cancer - Identification of epigenetic interactions between miRNA and DNA methylation associated with gene expression as potential prognostic markers in bladder cancer - Network models of genome-wide association studies uncover the topological centrality of protein interactions in complex diseases 		

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성명	***	고유번호	IGC UESP-4
구사언어	영어		
전문분야	<p>– My expertise is situated in coordination chemistry and organometallics where I focus on CO₂ fixation, water oxidation, olefin metathesis (RCM, ROMP, CM, ...) and coupling reactions. My research in material chemistry is based on Metal organic Frameworks (MOFs). More specific, the development of MOFs, the post-synthetic modification of MOFs, and their application in catalysis, water purification, air purification, biogas upgrading, energy (batteries),... Moreover, these two areas (organometallics & material chemistry) are combined to develop new reactions or to improve existing reaction processes. So, I cover the field of energy, environment, materials, polymers and fine chemicals.</p> <p>※ 보유지식재산권</p> <ol style="list-style-type: none"> 1) PCT application: Catalyst complexes with carbene ligand and method for making same and use in metathesis reaction (filed January 2014, PCT/CN2014070318). 2) Group 8 transition metal catalysts and method for making same and process for use of same in metathesis reaction PCT/CN2014/081605 (filed: 2014.07.03) 3) MOFs as Catalysts for Ring Opening Polymerization; PCT/CN2016/072215; nationalized in Korea and China. (biodegradable polymers, e.g. PLA, ...) 4) Imperfect MOFs (iMOFs) and methods for making same and process for use in catalysis, sorption and separation; PCT/CN2016/085221 		