



Curriculum Vitae

** CV must be written in English*

Personal Information		
Title (i.e. Prof., Dr., etc.)	Prof.	
Name (First name_Last Name)	Sanghoon Lee	
Degree (i.e. MD, Msc, PhD, etc.)	Ph.D.	
Country	Korea	
Affiliation	DGIST	
Educational Background		
●	2013.01 - 2017.06	Ph.D. in Electrical and Computer Engineering (ECE), National University of Singapore (NUS), Singapore
●	2010.08 - 2013.01	M.S. in Electrical and Computer Engineering (ECE), National University of Singapore (NUS), Singapore
●	2002.03 - 2009.02	B.S. in Electronic Materials Engineering, Kwangwoon University, Seoul, Korea
Professional Experience		
●	2023.09 - Present	Associate Professor, Robotics and Mechatronics Engineering, DGIST
●	2019.08 - 2023.08	Assistant Professor, Robotics and Mechatronics Engineering, DGIST
●	2017.08 - 2018.07	Postdoctoral Research Fellow, Singapore Institute for Neurotechnology (SiNAPSE)
Professional Organizations		
●	Member of Editorial Board, Journal of Micromechanics and Microengineering (JMM) (2023~current)	
●	Member of board of directors, Yeongnam Regional Branch (The Society of Micro and Nano Systems) (2022~Current)	
●	Technical Program Committee (TPC), International Conference on Solid-State Sensors, Actuators, and Microsystems (Transducer 2021)	
●	Topic Editor, Frontiers in Neuroscience (2021.06~Current)	
●	Committee Member, MEMS Electronic Devices (The Society of Micro and Nano Systems) (2021)	
●	Topic Editor, Sensors (2020)	
●	Organization Committee, MEMS & Sensors System, (Korean Conference on Semiconductors) (2019~2020)	
Main Scientific Publications		
●	J. Park, J. Jeong, M. Kang, P. Nagwade, Y. Cho, J. Ha, J. Yea, K. Jang, H. Kim, J. Hwang, B. Kim, S. Min, H. Kim, S. Kwon, C. Pak, H. Suh, J. Hong, S. Lee , "Imperceptive and Reusable Dermal Surface EMG for Lower Extremity Neuro-Prosthetic Control and Clinical Assessment", 7, 49, npj Flexible Electronics (2023)	
●	Y. Cho, H. Jeong, C. J. Pak, J. Jo, Y. Kim, D. Kim, T. Kim, H. Kim, S. Kim, S. Kwon, J. Hong, H. P. Suh, S. Lee , "Hybrid bionic nerve interface for application in bionic limbs", 10, 2303728, Advanced Science (2023)	





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- P. Nagwade, M. Kang, J. Park, J. Jeong, H. Shin, Y. Cho, **S. Lee**, "Development of a Chemically Driven Biomimetic Modular Artificial Muscle (BiMAM)", **Advanced Intelligent system**, 2300200 (2023)
- P. Nagwade, S. Parandeh, **S. Lee**, "Prospects of soft biopotential interfaces for wearable human-machine interactive devices and applications", **Soft Science**, vol. 3, pp. 1-25 (2023).
- M. Kang, H. Shin, Y. Cho, J. Park, P. Nagwade, **S. Lee**, "Triboelectric neurostimulator for physiological modulation of leg muscle", **Nano Energy**, vol. 103, pp. 107861 (2022).
- A. Intisar, H. Y. Shin, W. Kim, H. G. Kang, M. Y. Kim, Y. S. Kim, Y. Cho, Y. J. Mo, H. Lim, **S. Lee**, Q. R. Lu, Y. Lee, M. S. Kim, "Implantable Electroceutical Approach Improves Myelination by Restoring Membrane Integrity in a Mouse Model of Peripheral Demyelinating Neuropathy", **Advanced Science** (2022)
- H. Shin, M. Kang, **S. Lee**, "Mechanism of Peripheral Nerve Modulation and Recent Applications", **International Journal of Optomechatronics** 15 (2021).
- Y. Cho, H. Shin, J. Park, **S. Lee**, "Advanced Neural Interface toward Bioelectronic Medicine Enabled by Micro-Patterned Shape Memory Polymer", **Micromachines** 12 (2021).
- Y. Cho, J. Park, C. Lee and **S. Lee**, "Recent progress on peripheral neural interface technology towards bioelectronics medicine", **Bioelectronic Medicine**, vol. 6, 1-10 (2020)
- **S. Lee**, et al., "Mechano-neuromodulation of autonomic pelvic nerve for underactive bladder, A triboelectric neurostimulators integrated with flexible neural clip interface", **Nano Energy**, vol. 60, pp. 449-456 (2019).

* Please note that the above information will be used for the introduction of speakers for the PRS KOREA 2024 website and announcements. Also, it will be provided to the session chairpersons before your presentation. Please complete this form (no more than 2 pages) and return it to the PRS KOREA 2024 secretariat by email: academic.kprs@innon.co.kr.



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