

CONTACT INFORMATION	Integrated PhD program, PhD candidate Department of Mechanical Engineering, Seoul National University, Seoul, Korea	Mobile: +82-10-4148-9372 Email: juyeonghong@snu.ac.kr
RESEARCH INTERESTS	Soft matter physics, Elasticity	
EDUCATION & TEACHING EXPERIENCE	Seoul National University , Seoul, Korea Integrated M.S. and PhD. , Mechanical Engineering, <ul style="list-style-type: none"> • Microfluids and Soft Matter Laboratory • Advisor: Professor Ho-Young Kim University of Oxford , Oxford, United Kingdom Visiting student University of California, Berkeley , California, United States Summer Session Gwangju Institute of Science and Technology , Gwangju, Korea B.S., Mechanical Engineering	09/2022 - present 02/2025 06/2019 - 08/2019 03/2018 - 08/2022
TEACHING EXPERIENCE	Seoul National University , Seoul, Korea Teaching Assistant, Mechanical Engineering <ul style="list-style-type: none"> • Course: Undergraduate Research Opportunities Program <ul style="list-style-type: none"> • Minsoo Park, <i>Mechanics of shells (analysis, experiment and simulations)</i> • Course: Fluid Mechanics 	07/2024 - 12/2024 09/2023 - 12/2023
SKILLS	<ul style="list-style-type: none"> • 3D modeling : Fusion 360 • Programming language : Matlab, Python • Computational simulation tools : Abaqus, COMSOL 	
CONFERENCE PRESENTATIONS	<p>[1] Juyeong Hong*, Sungyoon Cho, Youn Hwa Nho, and Ho-Young Kim, Indentation response of skin-like thin viscoelastic multilayer materials. In: The 26th International Congress of Theoretical and Applied Mechanics, poster (08/2024)</p> <p>[2] Changho Yun, Juyeong Hong, and Ho-Young Kim, Gripping stacked thin flexible objects. In: 2024 KSME Annual Meeting, oral presentation (11/2024)</p>	
SEMINARS	<p>[1] University of Oxford, Mathematical Institute Journal Club, <i>Rolling in dough: Deformation of dough at constant width</i>, (02/2025).</p> <p>[2] University of Oxford, Mathematical Institute Student Seminar, <i>Rolling in dough: Deformation of dough at constant width</i>, (02/2025).</p>	
PATENTS	[1] Sungyoon Cho, Juyeong Hong and Ho-Young Kim, Skin viscoelasticity measuring apparatus and skin viscoelasticity measuring method. 10-2023-0088515 KOREA (2023)	

HONORS AND AWARDS	National Science Technology Scholarship, Korea Student Aid Foundation	03/2018
	Academic Scholarship, Gwangju Institute of Science and Technology	03/2019 to 03/2022
	Academic Scholarship, Seoul National University	02/2023
	The 3rd Future Home Tech. Challenge Silver Prize : ‘Frost-free macrotexture (FFM) technology based on macro-scale surface patterns inspired by plant leaf veins’, KSME-LG	11/2024
RESEARCH PROJECTS	Development of skin elasticity-meter, Awarding body: Cosmax Inc.	09/2022 - 10/2024
	Research center for metamorphing mechanical systems, Awarding body: National Research Foundation of Korea	03/2024 - present