



Topic of the Speech:

Development of Dynamic Drape Measurement of Fabrics using a Reciprocating-Motion System

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Professor YUN is an Associate Professor in the Department of Fashion Industry at Ewha Womans University, where he specializes in textile materials and clothing care. He earned his master's degree from Seoul National University and subsequently worked for six years as an engineer in the Washing Machine R&D team at Samsung Electronics. This industrial experience equipped him with deep insight into clothing care technologies. Building on this foundation, he returned to academia and completed his Ph.D. in the Department of Clothing and Textiles at Seoul National University. His dissertation, titled "Fabric Movement and Detergency in a Front-loading Washer," reflects his ability to bridge industrial practice with academic research. Through this combination of industry and scholarly experience, he has established himself as a leading expert in the field of clothing care and textile materials. His research now spans a broad spectrum of topics, including advanced clothing care systems, sensory indexing of fabrics for 3D virtual environments, sustainable fashion and practices, conservation of textile cultural heritage, and the development of high-performance textiles. His work has been published in numerous SCI(E)-indexed international journals, including Textile Research Journal, Fibers and Polymers, Fashion and Textiles, International Journal of Clothing Science and Technology, Energy Efficiency, Polymers, RSC Advances, and Current Applied Physics. In addition to his publications, he holds several patents that are applicable in industrial settings, reflecting his commitment to practical innovation. He currently serves as the Managing Editor of Fashion and Textiles, a Q1-ranked SCIE journal, where he plays a key role in advancing academic discourse in the field. Beyond academia, he contributes his expertise as an advisor to various national institutions, including the National Police Agency and the Air Force. He also serves as a consultant to leading electronics companies in Korea. His career exemplifies a rare integration of academic rigor, industrial relevance, and public service.