



KAROS
THE KOREAN ASSOCIATION OF
ROBOTIC SURGEONS

Curriculum Vitae

***영문으로 작성 부탁드립니다.**

	Name in Full	Seungkyou Lee
	Country	South Korea
	Affiliation	Korea University
	Email	leafiron@gmail.com

Educational Background

Rice University, Department of Computer Science, Ph.D. 2015

Korea University, Electrical Engineering, M.S. 2009

Korea University, Electrical Engineering, M.S. 2007

Professional Career

EndoQuest Robotics Inc. Control and Software team lead, 2020-2025

The University of Texas Health Science Center at Houston, TMC, Houston, Texas, USA,
Senior research associate, Instructor, 2015-2020

Korea Institute of Science and Technology, Research assistant, 2009-2010

Research Field

Minimally invasive surgical robot control

Non-invasive surgical robot control

Physical AI (Imitation learning, Reinforcement learning)

Multi-robot system,

Collective intelligence



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[Distributed concurrent triangulation for a group of low-cost robots with bearing-only sensing](#)

SK Lee

Autonomous Agents and Multi-Agent Systems 40 (1), 3

[Local path planning scheme for car-like robots' shortest turning motion using geometric analysis](#)

SK Lee, N Doh

Intelligent Service Robotics 18 (3), 433-471

[Distributed deformable configuration control for multi-robot systems with low-cost platforms](#)

SK Lee

Swarm Intelligence 16 (3), 169-209

[Distributed cohesive configuration controller for a swarm with low-cost platforms](#)

SK Lee

Journal of Field Robotics

[Kinematic model and real-time path generator for a wire-driven surgical robot arm with articulated joint structure](#)

S Jin, SK Lee, J Lee, S Han

Applied Sciences 9 (19), 4114