

Jeeseop Kim

CONTACT INFORMATION	310 Goodwin Hall, Virginia Tech Blacksburg, VA 24060, USA	jeeseop.com jeeseop@vt.edu
EDUCATION	Ph.D. Candidate in Mechanical Engineering advisor: Prof. Kaveh Akbari Hamed Virginia Polytechnic Institute and State University, USA	September 2017 - Expected in 2022
	M.S. in Transdisciplinary Studies (Intelligent Systems) advisor: Prof. Jaeheung Park Seoul National University, South Korea	March, 2017
	B.S. in Mechanical and Aerospace Engineering Seoul National University, South Korea	March, 2014
EMPLOYMENT	Graduate Research Assistant Dept. of Mechanical Engineering, Virginia Tech, Blacksburg, USA Advisor: Prof. Kaveh Akbari Hamed	Aug. 2019 - Present
	Graduate Research Assistant Dept. of Mechanical Engineering, Virginia Tech, Blacksburg, USA Advisor: Prof. Tomonari Furukawa	Aug. 2017 - Jul. 2019
	Graduate Research Assistant Dept. of Transdisciplinary Studies, Seoul National University, South Korea Advisor: Prof. Jaeheung Park	Jan. 2014 - Jul. 2017
	Undergraduate Research Assistant Dynamic Robotic Systems Lab, Seoul National University, South Korea Supervisor: Prof. Jaeheung Park	Jun. 2013 - Sep. 2013
	Research Intern Biorobotics Lab, Seoul National University, South Korea Supervisor: Prof. Kyu-Jin Cho	Mar. 2012 - Feb. 2013
TEACHING EXPERIENCE	Teaching Assistant Dept. of Mechanical Engineering, Virginia Tech, Blacksburg, USA ME5524: Bayesian Robotics ME5984: SS:Advanced Experimental Robotics	
	Teaching Assistant Dept. of Transdisciplinary Studies, Seoul National University, South Korea 493.601: Convergent Robotics Technology 493.611: Dynamics and Control of Robot-Environment Interaction	
PATENT	[P2] Jeeseop Kim , <i>et al</i> , Automatic cardiopulmonary resuscitation device and control method therefor, 2019. No. 20190029919A1 (US Patent), No. 108697572A (CN Patent), No. 3409258A1	

(EU Patent)

[P1] **Jeeseop Kim**, *et al*, Apparatus for Automatic Cardiovascular Pulmonary Resuscitation, 2016. Korea Patent No.10-2016-0172286.

PEER-REVIEWED
JOURNAL
ARTICLES

[J3] R. T. Fawcett, A. Pandala, **J. Kim**, and K. Akbari Hamed, Real-time planning and nonlinear control for quadrupedal locomotion with articulated tails, ASME Journal of Dynamic Systems, Measurement, and Control, Accepted to appear, Jan, 2021.

[J2] K. A. Hamed, **J. Kim**, A. Pandala, Quadrupedal Locomotion via Event-Based Predictive Control and QP-Based Virtual Constraints, IEEE Robotics and Automation Letters, Vol. 5, No. 3, pp. 4463-4470, Jul, 2020.

[J1] **J. Kim**, Y. Omori, A. Sifat, and T. Furukawa, Adjustably Designed Torque Controlled Humanoid Platform, International Journal of Mechanical and Production Engineering, Vol. 7, No. 2, pp. 52-57, May, 2019.

PEER-REVIEWED
CONFERENCE
ARTICLES

[C4] **J. Kim**, Y. Omori, A. Sifat, and T. Furukawa, Adjustably Designed Torque Controlled Humanoid Platform, International Conference on Control, Automation, Robotics and Vision Engineering, Washington DC, USA, 21-22 Nov, 2018.

[C3] **J. Kim**, M. Kim, and J. Park, Improvement of Humanoid Walking Control by Compensating Actuator Elasticity, International Conference on Humanoid Robots (ICHR), Cancun, Mexico, 15-17 Nov, 2016.

[C2] J. Jung, **J. Kim**, S. Kim, W. Kwon, S. Na, K. Kim, J. Lee, G. Suh, and J. Park, Application of Robot Manipulator for Cardiopulmonary Resuscitation, International Symposium on Experimental Robotics (ISER), Tokyo, Japan, 3-6 Oct, 2016.

[C1] **J. Kim**, M. Kim, and J. Park, Improvement of Humanoid gait stability using reduction gear deformation model, The 31st Institute of Control, Robotics and Systems (ICROS), Seoul, Korea, 10-11 Mar, 2016.

HONORS

Awards

The Best Presentation Award, Institute of Control, Robotics and Systems 2016	2016
Darpa Robotics Challenge DRC Finalist	2015
The Best Presentation Award from Bachelor Thesis Presentation, Seoul National University	2012

Graduate Fellowship

Research Assistant Scholarships, Virginia Tech, Blacksburg, USA	Jul. 2017 - present
Gwan-ak Scholarship, Seoul National University, Seoul, South Korea	Mar. 2014 - Feb. 2015

Undergraduate Fellowship

National Scholarship from Korea Student Aid Foundation, South Korea	Mar. 2009 - Feb. 2010
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References available upon request

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