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RESEARCH INTERESTS

- Learning and cooperation in autonomous robotic systems
- Vision-aided navigation of mobile/flying robots

EDUCATION

- **Ph.D.**, Mechanical Eng., University of California, Berkeley 2001.12.
Advisor: Prof. Shankar Sastry
Dissertation Title: Multiagent Pursuit-Evasion Games: Algorithms and Experiments
- **M.S.**, Mechanical Eng., University of California, Berkeley 1999.12.
Advisor: Prof. Shankar Sastry
- **B.S.** Mechanical Eng., Korea Advanced Institute of Science and Technology (KAIST) 1995.08.
Advisor: Prof. Youngjin Park

EXPERIENCE

- Professor, School of Mechanical and Aerospace Engineering 2014.03-current
Seoul National University, Seoul, Korea
- Associate Professor, School of Mechanical and Aerospace Engineering 2009.04-current
Seoul National University, Seoul, Korea
- Assistant Professor, School of Mechanical and Aerospace Engineering 2004.09-2009.03
Seoul National University, Seoul, Korea
- Lecturer & Postdoctoral Research Engineer 2004.01-2004.08
University of California, Berkeley, Department of Electrical Engineering
and Computer Sciences, Taught nonlinear systems (EE222)
- Postdoctoral Research Engineer 2002.01-2003.12
University of California, Berkeley, Electronic Research Laboratory
- Graduate Student Researcher 1998.09-2001.12
University of California, Berkeley, Electronic Research Laboratory
- Graduate Student Researcher 1995.08-1998.08
University of California, Berkeley, Department of Mechanical Engineering
- Visiting Researcher 2010.08-2011.07
Wyss Institute, Harvard University
- Associate Director for Education, BK21Plus Transformative Training Program 2013.09-2015.02
for Creative Mechanical and Aerospace Engineers,
Seoul National University, Seoul, Korea
- Director, Global Education Center for Engineers 2016.04-2016.12
Seoul National University, Seoul, Korea
- Visiting Researcher 2017.08-2018.07
University of California, Berkeley, Department of Electrical Engineering
and Computer Sciences

AWARDS AND RECOGNITION

- IROS Paper Award, Institute of Control, Robotics and Systems, November 2019
- Member of the National Academy of Engineering of Korea, January 2019
- 100 Technologies and Next Generation Leaders, the National Academy of Engineering of Korea, December 2017
- Best Student Paper Award, Finalist, IEEE International Conference on Robotics and Automation (ICRA) 2017
- International Conference on Control, Automation and Systems (ICCAS) 2016, the Prime Minister of Trade, Industry, and Energy Award, October 2016
- Best Paper Award, Indoor Positioning and Indoor Navigation Competition 2015, Banff, Canada, October 2015
- International Conference on Control, Automation and Systems (ICCAS) 2015, the Prime Minister of Trade, Industry, and Energy Award, October 2015
- Young Researcher Award, Institute of Control, Robotics and Systems, November 2014
- Korean Aerospace Paper Award Special Prize for the Advisor of the winner of the Prime Minister of Knowledge Economy Prize, October 2012
- International Conference on Control, Automation and Systems (ICCAS) 2010, the Prime Minister of Knowledge Economy Award, October 2010
- Best Achievement Award, College of Engineering, Seoul National University, Seoul, Korea, 2015
- Distinguished Lecturer Award, College of Engineering, Seoul National University, Seoul, Korea, 2007
- Best Student Paper Award, Finalist, American Control Conference (ACC), Boston, MA, June 2004
- Best Application Paper Award, Finalist, IFAC (International Federation of Automatic Control) World Congress, Barcellona, Spain, August 2001

ACADEMIC SERVICE

- Member, Senior Program Committee, IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) 2020
- Associate Editor, IEEE Transactions on Networked Control Systems, 2018
- Associate Editor, IEEE Transactions on Robotics, 2017
- Associate Editor, IFAC Mechatronics, 2016
- Associate Editor, Journal of Mechanical Science and Technology, 2009 –2016
- Associate Editor, International Journal of Control, Automation, and Systems, 2015 - 2019
- Editorial Board, KSAS Journal, Korea Society for Aeronautical and Space Sciences, 2007- current
- Associate Editor, ICRA (IEEE International Conference on Robotics and Automation), 2013 - current

GOVERNMENT AND OTHER PROFESSIONAL SERVICE

- Member, Board for Long-Term Strategic Planning, Ministry of Strategy and Finance, August 2016 – July 2017
- Member, National Aviation and Railway Accident Investigation Board, Ministry of Land, Infrastructure, and Transport, October 2014 – current
- Member, Special Committee on Aviation Safety, Ministry of Land, Infrastructure, and Transport, January 2015 – June 2015
- Member, Advisory Committee for Digital Media & Communications R&D Center, Samsung Electronics, January 2015– January 2017

PUBLICATIONS AND PATENTS

- Full list available at <http://larr.snu.ac.kr/publications>