Masayoshi Tomizuka (/people/faculty/masayoshi-tomizuka)

Cheryl and John Neerhout, Jr. Distinguished Professor

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Biography and CV

Masayoshi Tomizuka received his B.S. and M.S. from Keio University in 1968 and 1970, respectively. He received his Ph. D. from MIT in 1974, after which he joined the ME Department at UC Berkeley. Here, he served as the Vice Chair of Instruction from Dec. 1989 to Dec. 1991, and as the Vice Chair of graduate studies from Jul. 1995 to Dec. 1996.

From 2009 to 2011, he was the Executive Associate Dean for the College of Engineering at UC Berkeley. He also served as Program Director of the Dynamic Systems and Control Program at the National Science Foundation (http://en.wikipedia.org/wiki/National_Science_Foundation) from Sept. 2002 to Dec. 2004.

To view Professor Tomizuka's CV, please click here (http://msc.berkeley.edu/people/tomizuka.html).

Research

Students

Websites

MSC laboratory (/)

Research

To learn more about the research done at MSC, you can download a research booklet here (/assets/files/MSC_research_2013.pdf).

Robotics

Safe and Efficient Robot Collaboration System (/research/serocs.html)

Intelligent Control of Robotic Manipulators (/research/intelligent-manipulation.html)

Autonomous Vehicles

Decision-Making and Planning under Uncertainties with Social Interactions (/research/decision-making.html)

Robustly-Safe Automated Driving (ROAD) System (/research/robustly-safe-automated-driving.html)

Autonomous Driving Via Imitation Learning and Optimization (/research/autonomous_driving_via_imitation_learning.html)

Motion Generation and Cognition based on Deep Learning (/research/motion-generation.html)

Lidar and Camera Fusion for 3D Object Detection based on Deep Learning (/research/lidar-camera-fusion.html)

Point-Cloud-Based Detection and Tracking (/research/detection-and-tracking.html)

Vehicle Control and State Estimation (/research/vehicle-control.html)

Human Mechatronics

Individualized Assistive Device for Rehabilitation and Augmentation (/research/Individual-Device.html)

Mechatronics for Human Assistance (/research/mechatronics-human-assistance.html)

Building Control

Building Temperature Control (/research/building-control.html)

Precision Motion Control

MEMS Gyroscope Calibration for Satellite Attitude Determination Systems (/research/satellite.html)

Control of High-Performance Wafer Scanning Systems (/research/wafer.html)

Previous Projects

Mechanical Systems Control Lab

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