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dynamics, motion planning, computer vision, and control. Our goal is to provide a complete introduction to the most important concepts in these subjects as applied to industrial robot manipulators, mobile robots, and other mechanical systems. A complete treatment of the discipline of robotics would require several volumes.

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Executive Committee, IEEE Control Systems Society, 1997-2002 and 2004-2007 Nominating Committee, IEEE Control Systems Society, 2006-2008 General Chair, 2010 IEEE Conference on Decision and Control

Homepage of Mark W. Spong

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Robot Modeling and Control - Seth Hutchinson

In addition to more than 200 technical articles in control and robotics, Dean Spong is co-author of four books: “The Reaction Wheel Pendulum” (Morgan & Claypool Publishers, 2007) “Robot Modeling and Control” (John Wiley & Sons, 2005) “Robot Control: Dynamics, Motion Planning, and Analysis” (IEEE Press, 1992)

Mark W. Spong - Erik Jonsson School of Engineering ...

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Spong and his students have done seminal work in several areas of robotics, including teleoperation, adaptive control and force control. His keynote lecture Wednesday will address the interplay between robotics and control theory.

Mark Spong - UT Dallas Profiles

An integral manifold approach to the feedback control of flexible joint robots M Spong, K Khorasani, P Kokotovic IEEE Journal on Robotics and Automation 3 (4), 291-300 , 1987

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