

New Predictive Control Scheme for Networked Control Systems

Bo Liu · Yuanqing Xia · Magdi S. Mahmoud ·
Harris Wu · Shisheng Cui

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Abstract This paper is concerned with the design of networked control systems with random network-induced delay and data dropout. It presents a new control scheme, which is termed networked predictive control with optimal estimation. Based on Multirate Kalman Filtering, the measured data which are out of sequence or delayed can be used to improve the precision of estimation. The control prediction generator provides a set of future control predictions to make the closed-loop system achieve the desired control performance and the compensator removes the effects of the network transmission with time delay and data dropout. Simulation results are presented to illustrate the effectiveness of the control strategy via comparing with control schemes without any compensation for the network.

B. Liu · Y. Xia (✉)
Department of Automatic Control, Beijing Institute of Technology, Beijing 100086, China
e-mail: xia_yuanqing@bit.edu.cn

B. Liu
e-mail: bo.liu.777@gmail.com

M.S. Mahmoud
Systems Engineering Department, King Fahd University of Petroleum and Minerals, PO Box 5067,
Dhahran 31261, Saudi Arabia
e-mail: msmahmoud@kfupm.edu.sa

H. Wu
College of Business and Public Administration, Old Dominion University, Norfolk, VA 23529, USA
e-mail: hwu@odu.edu

S. Cui
Computer Science Department, Stanford University, Stanford, CA 94305, USA
e-mail: ivancui@stanford.edu

New Predictive Control Scheme For Networked Control Systems

Richard Bailey



New Predictive Control Scheme For Networked Control Systems:

New Predictive Control Scheme For Networked Control Systems Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the power of words has become more evident than ever. They have the capability to inspire, provoke, and ignite change. Such may be the essence of the book **New Predictive Control Scheme For Networked Control Systems**, a literary masterpiece that delves deep into the significance of words and their affect our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall affect readers.

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