Distributed Model Predictive Control for Plant-Wide Systems
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**DESCRIPTION**

A comprehensive examination of DMPC theory and its technological applications

- A comprehensive examination of DMPC theory and its technological applications from basic through to advanced level
- A systematic introduction to DMPC technology providing classic DMPC coordination strategies, analysis of their performance, and design methods for both unconstraint and constraint systems
- Includes the system partition methods, coordination strategies, the performance analysis and how to design stabilized DMPC under different coordination strategies
- Presents useful theories and technologies which can be used in many different industrial fields, such as the metallurgical process and high speed transport, helping readers to grasp the procedure of using the DMPC
- Reflects the authors’ combined research in the area, providing a wealth of and current and background information

**ABOUT THE AUTHOR**

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Professor Li received his Ph.D in Computer and System Science from Nankai University in 1996. He has published five books and more than three hundred papers in journals/conferences, which describe his research accomplishments and interests in predictive control, distributed model predictive control, intelligent adaptive control, and fuzzy intelligent control and its application. He is a Senior Member of the IEEE.

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