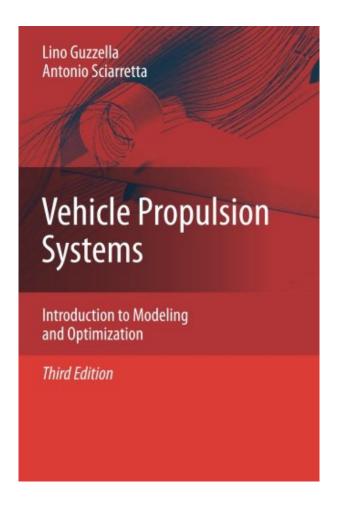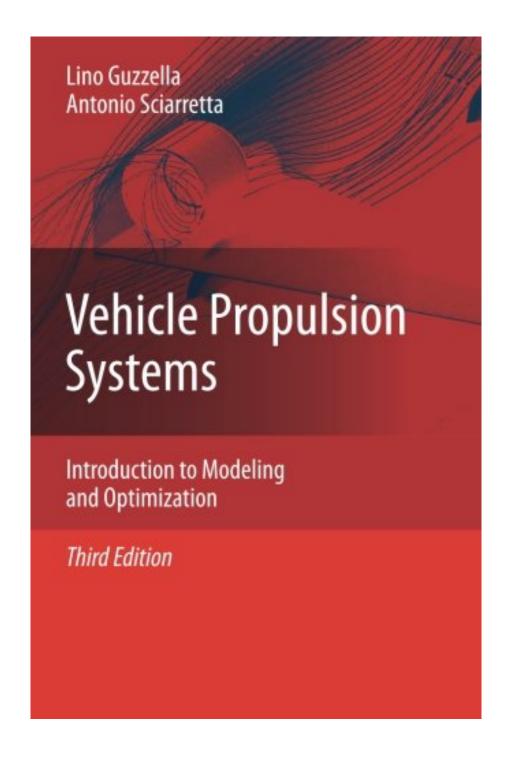# VEHICLE PROPULSION SYSTEMS: INTRODUCTION TO MODELING AND OPTIMIZATION BY LINO GUZZELLA, ANTONIO SCIARRETTA

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This text provides an introduction to the mathematical modeling and subsequent optimization of vehicle propulsion systems and their supervisory control algorithms.

Automobiles are responsible for a substantial part of the world's consumption of primary energy, mostly fossil liquid hydrocarbons and the reduction of the fuel consumption of these vehicles has become a top priority. Increasing concerns over fossil fuel consumption and the associated environmental impacts have motivated many groups in industry and academia to propose new propulsion systems and to explore new optimization methodologies. This third edition has been prepared to include many of these developments.

In the third edition, exercises are included at the end of each chapter and the solutions are available on the web.

About the Author

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