

# **Introduction To Hybrid Vehicle System Modeling And Control**

## **By Wei Liu**

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Advance Access. Advance Access Shutang Liu, Wei Li, Adaptive Second Order Sliding Mode Control of a Fuel Cell Hybrid System for Electric Vehicle Applications,  
<http://www.hindawi.com/journals/mpe/aa/>

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This is an engineering reference book on hybrid vehicle system analysis and design, an outgrowth of the author's substantial work in research, development and  
<http://www.abe.pl/en/book/9781118308400/introduction-to-hybrid-vehicle-system-modeling-control>

### **Touareg Hybrid -**

components in the hybrid vehicle must only be performed by trained high voltage and hybrid Volkswagen technicians. systems! 2 Introduction S450\_133  
<https://www.scribd.com/doc/272750758/Touareg-Hybrid>

### **Sixth International Symposium on Instrumentation -**

Wei Liu; The control system of hypersonic missile delayed discrete-time linear system with modeling  
[http://spie.org/Publications/Proceedings/Volume/6358?&end\\_year=2006](http://spie.org/Publications/Proceedings/Volume/6358?&end_year=2006)

### **Electric & Hybrid Vehicle Technology Expo | Parker -**

Parker Hannifin White Paper Introduction to Using Hybrid-Electric Vehicle Technology with Traditional Hydraulic Systems in Off-Road Vehicles  
<http://www.evtechexpo.com/resources/parker-hannifin-white-paper>

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The introduction of plug-in hybrid electric vehicles (PHEVs) into the transportation system will provide both opportunities and challenges for those who own the  
<https://ecommons.cornell.edu/handle/1813/29254>

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(TVD) upwind method is applied. The simulation results of a wheeled armoured vehicle identify the complex phenomena of flow structures,

<http://www.inderscienceonline.com/doi/full/10.1504/IJVD.2007.013680>

### **VSCL People | Vehicle Systems and Control -**

Dr. Wang joined Ohio State University and founded the Vehicle Systems and Control modeling, estimation, and control systems for Wei He , Beijing Institute

<http://vscl.osu.edu/personnel>

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<http://www.bokus.com/bok/9781118407387/introduction-to-hybrid-vehicle-system-modeling-and-control/>

### **ESRC Students - University of Texas at Arlington -**

Power system dynamic stability analysis and control, power system operations, meng.liu@mavs.uta.edu: plug in hybrid electric vehicle infrastructure,

<http://www.uta.edu/ee/esrc/index.php?page=students&left=students>

### **Development a new power management strategy for -**

W. Liu; Introduction to Hybrid Vehicle System Modeling and Control. Power Systems: Vehicle Power Management: Modeling, Control and Optimization. Springer, London

<http://www.sciencedirect.com/science/article/pii/S1361920915000565>

### **Regenerative brake - Wikipedia, the free -**

Most road vehicles with regenerative braking only With the introduction of KERS in Bosch also offers a range of electric hybrid systems for commercial and

[http://en.wikipedia.org/wiki/Regenerative\\_brake](http://en.wikipedia.org/wiki/Regenerative_brake)

### **Giorgio Rizzoni | Mechanical and Aerospace -**

Fuel Optimal Control of Hybrid Electric Vehicle Using Rizzoni,G " Hybrid Large Scale System Model for Rizzoni,G " Vehicle Steering System State

<https://mae.osu.edu/people/rizzoni.1>

### **International Journal of Vehicle Design (IJVD) - -**

speed control; fuzzy logic; vehicle modeling; vehicle active suspension system by Fei Meng, Huiyan Chen, Hao Liu, drive system for hybrid

<http://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijvd>

### **Component sizing of a plug-in hybrid electric -**

Vehicle propulsion systems, introduction to modeling and www.users.isy.liu.se of predictive control for hybrid vehicle powertrains using

<http://www.sciencedirect.com/science/article/pii/S0957415811002005>

**Hybrid Vehicle System Modeling - Introduction to -**

Wei Liu; Published Online: 14 MAR 2013 in Introduction to Hybrid Vehicle System Modeling and Control, John Wiley & Sons, Inc and is limited to hybrid vehicle  
<http://onlinelibrary.wiley.com/doi/10.1002/9781118407400.ch3/summary>

**Control Systems Technology, IEEE Transactions on -**

Control Systems Technology, IEEE Transactions on A Novel Overactuated Quadrotor Unmanned Aerial Vehicle: Modeling, Control, Hybrid vehicle techniques have  
<http://ieeexplore.ieee.org/xpl/topAccessedArticles.jsp?punumber=87>

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"Introduction to Hybrid Vehicle System Modeling and Control" at a library near you Wei Liu (1) Year. 2013; Hybrid Vehicle System Modeling: 2.  
<http://www.worldcat.org/title/Introduction%20to%20Hybrid%20Vehicle%20System%20Modeling%20and%20Control>

**Modeling and simulation of fuel cell hybrid -**

Electric power control system for a fuel cell vehicle Modeling and simulation of fuel cell hybrid Fuel cell hybrid vehicle Modeling; Simulation; Control;  
<http://link.springer.com/article/10.1007/s12239-010-0028-y>

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Inbunden, 2013. Pris 753 kr. K p Introduction to Hybrid Vehicle System Modeling & Control (9781118308400) av Wei Liu p Bokus.com  
<http://www.bokus.com/bok/9781118308400/introduction-to-hybrid-vehicle-system-modeling-control/>

**Driving Control Research for Longitudinal Dynamics -**

To solve the longitudinal dynamics driving control problems, vehicle dynamics model, 2013 Wei Liu et been applied to many vehicle control systems,  
<http://www.hindawi.com/journals/mpe/2013/408965/>

**Modeling and Control for Micro/Nano Devices and -**

Modeling and Control for Micro/Nano Devices and Systems Modeling and control has played an essential role in many Liming Liu, and Fanan Wei. Introduction .  
<https://www.crcpress.com/Modeling-and-Control-for-MicroNano-Devices-and-Systems/Xi-Zhang-Li/9781466554054>

**Novel flexible hybrid electric system and adaptive -**

and adaptive online-optimal energy management the E2FHS system for a plug-in hybrid vehicle Modeling and control of a power-split hybrid  
<http://link.springer.com/article/10.1007%2Fs11771-012-1098-y>

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<http://www.inderscienceonline.com/doi/abs/10.1504/IJVD.2008.020893>

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Introduction to Hybrid Vehicle System Modeling and Control [Wei Liu] on Amazon.com. \*FREE\* shipping on qualifying offers. This is an engineering reference book on <http://www.amazon.com/Introduction-Hybrid-Vehicle-Modeling-Control/dp/1118308409>

### **Liu W. Introduction to Hybrid Vehicle System -**

2nd edition. McFarland & Company, 2010. 261 p. - ISBN 978-0-7864-3301-8 This illustrated history chronicles electric and hybrid cars from the late 19th century to <http://www.twirpx.com/file/1177260/>

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description. This is an engineering reference book on hybrid vehicle system analysis and design, an outgrowth of the author's substantial work in research <http://www.computeroutpost.com.au/item/9781118308400/>

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Matching and Optimization for Powertrain System of Introduction The hybrid electrical vehicle consists of two or more Invoke simulink control model by [http://www.atlantis-press.com/php/download\\_paper.php?id=5555](http://www.atlantis-press.com/php/download_paper.php?id=5555)

### **Hybrid electric vehicle - Wikipedia, the free encyclopedia -**

A hybrid electric vehicle After 18 years since their introduction in the that use the added energy provided by the hybrid systems to give vehicles a power [http://en.wikipedia.org/wiki/Hybrid\\_electric\\_vehicle](http://en.wikipedia.org/wiki/Hybrid_electric_vehicle)

### **Hybrid & Alternative Fuel Vehicle Technician AAT -**

Jul 22, 2015 Hybrid/Alternate Fuel Introduction Alternate Fuel Vehicle Systems: 2: AUTH 115: Toyota Hybrid System Ford Escape/Mercury Mariner Hybrid System <http://catalog.cptc.edu/automotive-technician/hybrid-alternative-fuel-vehicle-technician-aat-and-aas-t-degrees>

### **Implementation of an Extended Vehicle Model -**

Modelica for Hybrid Vehicle Modeling: 1 Introduction vehicle system and battery control characteristics and <http://www.ep.liu.se/ecp/043/097/ecp09430109.pdf>

### **Introduction to Hydraulic Hybrid Systems for Road -**

Duration: 2 Days Considerable attention has been given to the design and efficiencies of electric hybrid propulsion systems and energy storage technologies. <http://training.sae.org/seminars/c0833/>

**Research on modeling and control of regenerative -**

Research on modeling and control of regenerative braking for brushless DC control 1. Introduction based parallel hybrid electric vehicle.

<http://downloads.hindawi.com/journals/mpe/aip/371725.pdf>

**Multi-objective genetic optimization of the fuel -**

Introduction. In recent years, a In the hybrid vehicle, the control strategy in the vehicle supervisory system plays a crucial role in the success of

<http://www.sciencedirect.com/science/article/pii/S0360319915016894>

**Cell Balancing Algorithm Verification through a -**

"Cell Balancing Algorithm Verification through a Simulation Model for Lithium Ion Energy Storage Systems," SAE Introduction to Hybrid and Electric Vehicle

<http://papers.sae.org/2010-01-1079/>

**IEEE Xplore: Control Systems, IEEE - (About -**

As the official means of communication for the IEEE Control Systems and informative material on all aspects of control system technology for the benefit

<http://ieeexplore.ieee.org/xpl/aboutJournal.jsp?punumber=5488303>

**Lichuan Liu -**

Lichuan Liu, Northern Illinois University, Networks & Communications, Security A hybrid FDI method for Batch Loading Control Systems. Wei Min, Lichuan Liu,

<http://academic.research.microsoft.com/Author/3651130/lichuan-liu>