

# 传动技术

DRIVE SYSTEM TECHNIQUE

季刊·1987年创刊

2010年第2期 第24卷总第82期

编委会主席:陈因达

编委会副主席:Rolf-Gall

编委秘书长:汪浩

主编:何维廉

责任编辑:黄宏成

主管单位:教育部

主办单位:上海交通大学

协办单位:ZF Friedrichshafen AG

上海汽车工业(集团)总公司

刊号:ISSN1006-8244  
CN31-1596/TP

出版:《传动技术》编辑部

地址:上海市华山路1954号

邮编:200030

电话:(86)021-62932182 34206305

传真:(86)021-34206305

E-mail:wlhe@sjtu.edu.cn

印刷:上海豪杰印刷有限公司印刷厂

国内总发行:上海市报刊发行局

订购:全国各地邮局

邮发代号:4-631

出版日期:6月30日

定 价:10.00元

(港、澳、台 20.00元)

本刊图片、文字未经书面同意不得转载。

## 目次 MUCI

### 专题

ZF-ECOLIFE-适用于城市公共汽车的、现代化的动力

换档变速器 Dr.-Ing. Joachim Foth

Wolfgang Schilha Dipl.-Ing.

Peter Wunderlich ZF Friedrichshafen AG…(3)

### 设计 研究 开发

基于城市循环工况的混合动力客车经济性仿真及试验

研究 方华 顾力强…(16)

混合电动车辆复式电力机械无级速器的控制策略

N-D Kim J-M Kim H-S Kim…(20)

基于TL494的H桥直流电机控制系统

王大江 吴金强…(33)

### 试验 检测

CVT效率试验与分析

黄宏成 徐继财 闻居博…(37)

功率分流混合电动车辆动力系工作优化

Kukhyun Ahn Sungtae Cho

Suk Woncha…(42)

# DRIVE SYSTEM TECHNIQUE

Quarterly Publication

Started Publication on 1987

2010 /2 Volume 24

Total Issue No. 82

Chairman of Editorial Board : CHEN Yinda

Vice Chairman of Editorial Board :

Rolf-Gall

Secretary General of Editorial Board :

WANG Hao

Chief Editor : HE Weilian

Executive Editor : HUANG Hongcheng

Administrated by Education Ministry

Sponsors : Shanghai Jiao Tong University

Assistors : ZF FriedrichShafen AG

Shanghai Automotive Industry  
Corporation(GROP)

Published by : Drive System Technique

Editorial Department

Publication Code : ISSN1006—8244  
CN31—1596/TP

Adress : 1954 Hua Shan Road Shanghai

Post Code : 200030

Tel : (86)021-62932182 34206305

Fax : (86)021-34206305

E-mail : wlhe@sjtu.edu.cn

Printed by : Shanghai Hao Jie Press

General Distributor in China : Shanghai

Newspaper & Magazines Distribution Bureau

Subscription Agent : Post Offices thoughout China

Post Distribution Code : 4—631

Publishing Date : 30 June

Price : RMB 10.00 yuan

Copyright : All Rights are Reserved

# Main Contents

## Special Subject

ZF-ECOLIFE -THE DEVELOPMENT OF A MODERN  
POWERSHIFT TRANSMISSION FOR CITY BUSES

Dr.-Ing. Joachim Foth Wolfgang Schilha

Dipl.-Ing. Peter Wunderlich

ZF Friedrichshafen AG... (3 )

## Design Research & Development

Simulation and Experimental Research for the Fuel E-  
conomy Performance of Hybrid Electric Bus Based on  
Urban Driving Cycle

Fang Hua Gu Liqiang... (16)

Control Sirategy For a Dual-Mode Electro Mechanical  
Infinitely Variable Transmission For Hybrid Electric Ve-  
hicles

N-D Kim J-M Kim H-S Kim... (20)

The H Bridge DC Motor Control System Based on teh  
TL494

Wang Dajiang Wu Jinqiang... (33)

## Inspection & Measurement

Test and Analysis CVT Efficiency

Huang Hongcheng Xu Jicai Wen Juboo... (37)

Optimal Operation of the Power-Split Hybrid Electric  
Vehicle Powertrain

Kukhyun Ahn Sungtae Cho

Suk Woncha... (42)