Year 2008

- **Future Passenger Car R2S Charging Systems - using VTG and Low Pressure EGR?**
  将来的乘用车 R2S 增压系统——采用 VTG 和低压 EGR?
  Dr. Frank Schmitt, Sebastian Howe, Philipp Wilkens, **BorgWarner**

- **Emissions modelling in GT-SUITE employing detailed chemistry**
  基于详细化学机理的 GT-SUITE 排放模拟
  M. Kraft, S. Mosbach, J. Etheridge, L. Cao, H. Su, A. Al Dawood, and A. Bhave, **University of Cambridge**

- **Chain Drive Modeling using GT-SUITE**
  基于GT-SUITE的链传动仿真
  Niranjan Ghaisas, **Cummins Inc.**

- **Parameter Tuning Real Time Engine Models**
  实时发动机模型的参数调整
  Matt Butts, **Cummins Inc.**

- **Methods For Improving Turbocharger Simulation Accuracy in GT-Power**
  GT-Power 中提高增压器仿真精度的方法
  Owen Ryder and Ganesan Subramanian, **Cummins Turbo Technologies**

- **A GT-POWER Based Predictive Radial Turbine Model**
  基于 GT-Power 的预估径向涡轮机模型
  Jan Macek, Oldrich Vitek, Jan Buric, **Czech Technical University in Prague**

- **Integrated Simulation of a Truck Diesel Engine with a Hydraulic Engine Braking System**
  卡车柴油机的液压发动机制动系统集成仿真
  N. Brinkert, K. Kanning, **Daimler Trucks**

- **Thermal Management Concept Investigations of the new Heavy Duty Engine Platform using GT-COOL/GT-POWER**
  基于GT-COOL/GT-Power的新型重型发动机平台热管理概念研究
  Matthias Schmid, **Daimler Trucks**

- **The Simulation Cycle: Integration of GT-POWER, GT-VTrain, and VTDesign for the Optimization of NASCAR Valve Events**
  仿真循环：集成GT-Power,GT-VTrain和VTDesign进行NASCAR阀正时优化
  Scott Flanagan, Jerry Hailey, Paul Bolton, **Earnhardt Childress Racing Engines**

- **Extended Range Turbocharger Maps: Measurement and Benefit for Simulation**
  扩展增压器 Map 的范围：测量和对仿真的益处
  Johannes Scharf, **RWTH Aachen University**
  Christof Schernus, Stefan Wedowski, Richard Aymanns, **FEV**
  Norbert Schom, Vanco Smiljanovski, **Ford**

- **UNIAIR Variable Valve Actuation System Modelling and Integration to the Engine in the GT-SUITE environment**
  UNIAIR可变气门驱动系统建模并在GT-SUITE环境中与发动机的集成
  Paolo Ferreri, Caterina Venezia, **FPT - Research & Technology**

- **Optimization of a 3-Cylinder CNG Engine within a Hybrid Powertrain**
  在混合动力总成中 3 缸 CNG 发动机的优化
  Daniel Boland, **FKFS**

- **A Model Based Approach to Exhaust Heat Recovery Using Thermoelectrics**
  采用热电部件进行排气余热回收的模型研究

Quazi Hussain, David Brigham, and Clay Maranville, **Ford**

- **Analysis of Crankshaft Speed Fluctuations and Combustion Performance**
  曲轴速度波动和燃烧性能的分析
  Ramakrishna Tatavarthi, Julian Verdejo, **GM Powertrain**

- **Simulation of DPF regeneration strategies**
  DPF再生策略的仿真
  A. Schilling, Dr. R. Röthlisberger, **LIEBHERR**

- **Investigation of Potential Fuel Economy Improvements of a SOHC Engine via Independent Inlet and Exhaust Cam Timing Control**
  通过单独的进、排气凸轮正时控制，研究SOHC发动机的燃油经济性提高潜力
  Mike Bassett, Steve Simmonds, David Gurney, Rob Lynn, Hugh Blaxill, **MAHLE Powertrain, UK**
  Falk Schneider, **MAHLE Valvetrain, Germany**

- **Using GT-POWER To Determine Minimum DoE Size For Optimal SI DIVCP Engine Calibration**
  采用GT-POWER，通过优化DIVCP SI发动机校准，确定最少的DoE个数
  Pete Maloney, **The Mathworks, Inc.**

- **Performance Analysis of a Decompression Brake System for a Diesel Engine**
  柴油机减压制动系统性能分析
  Ivan Miguel Trindade, Vinicius J. M. Peixoto, **MWM International Motores**

- **1D-3D coupling between GT-Power and OpenFOAM for cylinder and duct system domains**
  气缸和管道系统GT-Power和OpenFOAM的 1D-3D耦合分析
  G. Montenegro, A. Onorati, M. Zanardi, **Politecnico di Milano**
  M. Awasthi, J. Silvestri, **Gamma Technologies, Inc.**

- **Fuel injection and combustion integrated simulation for a marine diesel engine**
  船用柴油机燃油喷射和燃烧集成仿真
  F. Millo, E. Pautasso, S. Zancanaro, **Politecnico di Torino**
  D. Delneri, **Wärtsilä S.p.A.**

Year 2007

- **V8 Engine Breathing Revisited: A GT-POWER Analysis of AFR Control and Performance Issues**
  V8 发动机进气再研究：空燃比控制和性能的GT-POWER分析
  Christof Schernus, **FEV Motorentechnik GmbH**

- **Super Cooling of the Combustion Air by Means of an Additional Air Turbo Adopted for a 4-Stroke SI-Engine**
  四冲程SI发动机附加空气涡轮冷却进气法
  Lennarth Zander, **Volvo Corporation**

- **Design of Automotive Cooling Systems with GT-COOL and COOL-3D**
  基于GT-COOL和COOL-3D的汽车冷却系统设计
  Dr. Gerald Seider, **BMW AG**

- **Surge Modeling in GT-POWER: A Status Report on the Method to Simulate Compressors Close To and In Surge**
  GT-POWER中的喘振模拟：仿真压气机接近和进入喘振的仿真方法研究的状态报告
  Michael Vallinder, Fredrik Lindström, and Raymond Reinmann, **GM Powertrain Sweden**

- **Sensitivity Study of a Turbo-Charged SI-Engine at Rated Power**
  额定功率时涡轮增压SI发动机敏感性研究
  Jens Neumann and Andrei Stanciu, **BMW AG**
  Bodo Banischewski, **Bertrandt**

- **Aftertreatment Modeling with Computationally Efficient Q-S Solver**
  利用高效准稳态求解器的后处理模拟
  Jean-Nicolas Cassez, **PSA Peugeot-Citroën**
  Syed Wahiduzzaman, **GTI**

- **Use of Cycle Simulation for Matching a R2S Turbo System to a HD Diesel Engine**
  基于循环仿真的R2S增压系统与HD柴油机匹配
  Michael Gisiger, **Liebherr**

- **VVT Optimization With GT-POWER and Genetic Algorithms**
  基于GT-POWER和基因算法的VVT优化
  Dipl.-Ing. R. Kuberczyk and Prof. Dr.-Ing. M. Bargende, **FKFS**

- **HCCI Modeling, Calibration and Analysis by Integrating GT-Power and Matlab-Simulink Capabilities**
  HCCI的GT-POWER和Matlab-Simulink集成仿真、标定与分析
  Dipl.-Ing. Axel Kiefer, Dr.-Ing. AndréKulzer, and Santosh Rao M.Sc., **Robert Bosch**

- **Development and Validation of Cummins High Horse Power Engine Overhead Components Using GT-Vtrain**
  基于GT-Vtrain的康明斯大马力发动机顶置部件开发和校核
  Junhua Zheng, **Cummins Engine Company**

- **NEDC Simulation with GT-DRIVE**
  基于GT-DRIVE的NEDC仿真
  Dipl.-Ing. R. Kuberczyk and Prof. Dr.-Ing. M. Bargende, **FKFS**

- **Diesel Hybrid for Passenger Cars: Analysis of Different Degrees of Hybridization**
  乘用车的柴油机混合：不同混合度的分析
  F. Millo, G. Mafrici, and A. Federici, **Politecnico di Torino**
  V. Paladini and M. Cisternino, **General Motors Powertrain Europe**

- **Validation, Benchmarking, and Deployment of GT-CRANK at Cummins**
  GT-CRANK在康明斯的开发、校验和试验验证
  Ilya Piraner, **Cummins, Inc.**
  J. Rodriguez, M. Okarmus, S. Erogbogbo, and R. Keribar, **GTI**

- **Numerical Analysis of the Hydraulic Circuit of a Commercial Common Rail Diesel Fuel Injection System**
  商用共轨柴油喷射系统液压回路数值分析
  Philipp Beierer, **Sandvik Mining and Construction OY**
  Kalevi Huhtala, and Matti Vilenius, **Tampere University of Technology**

- **Modeling Lubrication System Oil Flow**
  润滑系统润滑油流动模拟
  Roberto Pierotti and Walter Zottin, **Mahle Metal Leve S.A.**
  Jon Harrison and Shawn Harnish, **GTI**

- **Integrated Engine and Coolant Circuit Modeling with GT-SUITE**
  基于GT-SUITE的发动机和冷却系统集成仿真
  Oliver Roessler, Vincenzo Bevilacqua, and Raymond Reinmann, **GM Powertrain Germany GmbH**

- **Balance Shaft and Gear Train Modeling to Capture Gear Rattle Phenomenon**
  平衡轴和齿轮系模拟捕捉拍击现象
  Justin Ferguson, **International Truck and Engine Corporation**

- **Creation and Validation of a High-Accuracy, Real-Time-Capable Mean-Value GT-POWER Model**
  高精度、实时平均值GT-POWER模型的建立与校准
  Tim Prochnau, **International Truck and Engine Corporation**

- **Real-time Evaluation of Detailed Chemistry Based on SRM-GT-POWER Coupling for HCCI Engine Application**
  基于SRM-GT-POWER耦合的HCCI发动机详细化学实时模拟
  S. Mosbach, A. Aldawood, M. Celnik, A. Bhave and M. Kraft, **University of Cambridge**

Year 2006

- **Exhaust system warm-up simulation**
  排气系统暖机模拟
  Stefan Heller, **BMW Group**

- **EGR System Analysis of a Turbocharged Diesel Engine**
  涡轮增压柴油机EGR系统分析
  Phil Keller and Volker Joergl, **Borg Warner**
  Brad Tillock, **Eng Sim**

- **Development of an Exhaust Energy Recovery System Model**
  排气能量回收模型开发
  Matthew Butts, **Cummins, Inc.**

- **A Semi-Empirical Model for Fast Residual Gas Fraction Estimation in SI Engines**
  SI发动机残余废气比例快速估计的半经验模型
  Lurun Zhong, **FEV Engine Technology, Inc.**
  Amer A. Amer, **DaimlerChrysler Corporation**

- **Hybrid Electric Vehicle Performance Modeling using GT-DRIVE**
  基于GT-DRIVE的混合电动车性能模拟
  Christof Schernus and Peter Janssen, **FEV Motorentechnik GmbH, Aachen**
  Jörg Seibel, **Institute for Combustion Engines, RWTH Aachen University**
  Lu Lianjun and Meng Tao, **SAIC Motor Co. Ltd., Shanghai**
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  Greg Fialek, Rifat Keribar and Brian Luptowski, **Gamma Technologies, Inc.**

- **Development and Validation of a Mean Value Engine Model for Integrated Engine and Control System Simulation**
  发动机和控制系统集成平均值模型的开发和校验
  Yongsheng He, and Chan-Chiao Lin, **General Motors Corporation**

- **Development of a Double Variable Cam Phasing Strategy for Turbocharged GDI Engines**
  涡轮增压GDI发动机双可变凸轮相位策略开发
  Vincenzo Bevilacqua, Jany Krieg, Roland Maucher and Raymond Reinmann, **GM Powertrain Europe, Ruesselsheim**

- **Improved Scavenging by Individual Valve Cam Phasing**
  通过单独阀凸轮相位提高扫气
  Dr. Philipp Henschen, and Dr. Georg Tischmann, **MAN B&W Diesel AG**

- **Acoustic 1D Modeling and Simulation of Air Intake Systems**
  进气系统声学 1D建模与仿真
  Andreas Graefenstein, **Mann+Hummel GmbH**

- **Optimisation of Gomecsys variable compression ratio engine with GT-Power simulation tools**
  基于GT-POWER仿真工具的Gomecsys可变压缩比发动机优化
  George Corfield and Kean Harrison, **Prodrive Automotive Technology, Warwickshire, England.**

- **GT-POWER in Formula 1 – V10 Firing Order Selection**
  基于GT-POWER的 Formula 1－V10 点火顺序选择
  Pierre-Jean Tardy, **Renault F1**

- **DoE Analysis on the Effects of CR, Injection Timing, Nozzle Hole Size and Number on Performance and Emissions in a Diesel Marine Engine**
  压缩比，喷油正时，喷孔尺寸和个数对船用柴油机性能和排放影响的DoE分析
  F. Millo and E.Pautasso, **Politecnico di Torino**
  D. Delneri and M. Troberg, **Wärtsilä S.p.A, Italy**

Year 2005

- **Layout of a Power Split Hybrid Powertrain Using GT-DRIVE**
  基于GT-DRIVE的功率分离混合动力总成设计
  Bernd Kircher, Christof Schernus and Dirk van der Weem, **FEV Motorentechnik**

- **Use of TPA (Three-Pressure Analysis) to Obtain Burn Rates and Trapped Residuals**
  采用TPA（三压分析）获得燃烧率和废气残余
  Dr. Karl-Alfred Goerg, **BMW**
  Dr. Thomas Morel, **Gamma Technologies**

- **Use of Scavenging to improve Low-End Torque of a Turbocharged DISI-Engine**
  利用扫气提高涡轮增压直喷SI发动机的低端扭矩
  Martin Brandt and Martin Rauscher, **Robert Bosch GmbH**

- **The Potential of Electric Exhaust Gas Turbocharger for HD Diesel Engines**
  HD柴油机电动废气涡轮增压潜力
  Federico Millo and F. Mallamo, **Politecnico di Torino**
  G. Mego, **IVECO**

- **Development of an Advanced Quasi-Dimensional SI Engine Combustion Model**
  SI发动机高级准维燃烧模型的开发
  Jens Neumeister, **Mahle Powertrain Ltd.**

- **Optimization of a Small Two-Stage Turbocharged Diesel Engine**
  小型两级涡轮增压柴油机优化
  Alain Lefebvre, **Renault SA**

- **Automated Gas Exchange Model Calibration Using Optimization Tools**
  采用优化工具自动换气模型校准
  Thomas Steidten, P. Adomeit, B. Kircher and S. Wedowski, **FEV Motorentechnik**

- **Hydro-mechanical Simulation of a Cam-Rocker-Unit Injector System to Address Noise and Vibration Issues**
  基于凸轮-摇臂-单体喷油器系统的液压-机械仿真的噪声与振动问题解决
  Simon Langridge, **IVECO Motorenforschung**
  Marcin Okarmus and P.S Reddy, **Gamma Technologies**

- **Integrated Simulation of the Engine and Control System of a Turbocharged DI Engine**
  涡轮增压DI发动机和控制系统集成仿真
  Yongsheng He, C. Lin, A. Gangopadhyay, **General Motors Corporation**

- **Implementation of a Real Time GT-POWER Engine Model in HIL Setup**
  实时GT-POWER在硬件在环装置中的实施
  Manik Narula, **Cummins Engine Company**

- **DPF Modeling using GT-POWER**
  基于GT-POWER的DPF模拟
  Dean Tomazik, Christof Schernus, Andreas Wiartalla, **FEV Motorentechnik**

- **Use of Design of Experiments and Distributed Computing for Optimization of Valve Events**
  利用DoE和分布计算进行阀正时优化
  Amer A. Amer, **DaimlerChrysler Corporation**

Year 2004

- **Integrated Simulation and Tuning of Fuel Rail, and Intake Manifold of CNG Engine**
  集成仿真和调整CNG发动机的燃料共轨和进气歧管
  Christof Schernus, **FEV Motorentechnik**

- **Coupled CFD Simulation of a Variable Valve Actuation System**
  可变气门执行系统的CFD耦合仿真
  Otmar Scharrer, C. Heinrich, and Peter Gebhard, **FIAT - GM Powertrain**

- **EGR Transient Simulation of a Turbocharged Diesel Engine Using GT-POWER**
  基于GT-POWER的涡轮增压柴油机EGR瞬态仿真
  Giulio Giaffreda and Caterina Venezia, **FIAT Research Center**

- **Coupled Engine/Cooling System Simulation and its Application to Engine Warmup**
  发动机/冷却系耦合仿真和在发动机暖机中的应用
  Gamma Technologies; Ted Straten, **DAF Trucks**

- **The Potential of Dual Stage Turbocharging and Miller Cycle for HD Diesel Engines**
  HD柴油机米勒循环和双级涡轮增压潜力
  Federico Millo, **Politecnico di Torino**

- **A Lap on the Nürburgring with GT-DRIVE**
  基于GT-Drive的Nürburgring跑道模拟
  Carsten Dieterich and Christof Schernus, **FEV Motorentechnik**

- **SI Gas Exchange Tuning with Multivariate GT-POWER Analysis**
  SI发动机配气多变量GT- POWER分析
  Jon Downing, **Cosworth Technology**

- **Transient Modeling using Mean Value Engine Cylinder**
  平均值发动机气缸瞬态模拟
  Gamma Technologies; Johan Lennblad and Said Tabar, **Volvo Car**

- **Misfire, Partial Burn, and Knock - Boundaries of a Stable HCCI Operation**
  失火、局部燃烧，爆震——HCCI稳定工作的边界
  Amit Bhave, **Reaction Engineering Solutions**; M. Kraft, **University of Cambridge**;
  F. Mauss, **Lund Institute of Technology**; A. Oakley and H. Zhao, **Brunel University**

- **GT-VTRAIN Analysis of a Direct-Acting and a Roller Finger-Follower Valvetrain**
  基于GT-VTRAIN的直接作用和滚子摇臂随动阀系分析
  Paul Frizoni and Mike Dark, **Cosworth Technology**

- **Features of a Combined Model of a Camless 4-Stroke Internal Combustion Engine and 2-Stroke Air Compressor/Air-Motor with Pneumatic Storage**
  无凸轮 4 冲程内燃机和空气存储的 2 冲程空气压缩机/空气马达的混合模型特征
  Paul Blumberg, **Social Profit Network, Inc.**

- **MultiObjective Optimization in Engine Design**
  发动机设计中的多目标优化
  Nader Fateh, **Esteco**

Year 2003

- **SI Engine Coldstart Simulation Using GT-POWER**
  基于GT-POWER的SI发动机冷启动仿真
  Christof Schernus, **FEV Motorentechnik**

- **Development of a DVCP Strategy using Part Load Engine Modeling**
  采用部分负荷发动机模拟的DVCP策略开发
  Otmar Scharrer, Christoph Heinrich, Martin Heinrich, Peter Gebhard, **Fiat-GM Powertrain (Opel)**

- **Improving Misfire Detection in an 8-cylinder Ferrari Engine**
  提高 8 缸Ferrari发动机失火检测
  F. Millo, F. Mallamo, R. Digiovanni, **Politecnico di Torino**; A. Dominici, **Ferrari Auto S.p.A**

- **Fluid Dynamics Transient Response Simulation of a Vehicle Equipped with a Turbocharged Diesel Engine Using GT-POWER**
  基于GT-POWER的装配涡轮增压柴油机的汽车流体动力学瞬态响应模拟
  A. Gallone, C. Venezia, **Fiat Research Centre**

- **Simulation of a COMPREX® Pressure Exchanger**
  COMPREX®压力交换器（气波增压）模拟
  Ludek Pohorelský, Jan Macek, Miloš Polášek, Oldrich Vítek, **Czech Technical University in Prague**

Year 2002

- **Modeling of Engine Block and Driveline Vibration as Affected by Combustion**
  发动机缸体和传动链振动受燃烧影响的模拟
  Gamma Technologies, Inc.

- **Analytical Engine Calibration Process**
  发动机校准过程解析
  Pete Maloney, **The Mathworks Consulting**

- **Numerical Simulation to Improve Engine Control During Tip-In Manoeuvres**
  基于仿真的发动机Tip-In（低速低负荷时突然打开节气门）期间的控制提升
  F. Millo, C.V. Ferraro, F. Mallamo, **Departimento Di Energetica Politecnico Di Torino**; L. Pilo, **FA-GM Powertrain**

- **1-D Cycle Simulation**
  1D循环仿真
  Joachim Weiss, **MAN Nutzfahrzeuge**

- **Vehicle Engine Cooling System Simulation Utilizing GT-Power**
  基于GT-Power的车辆发动机冷却系统仿真
  Brian Luptowski, **Michigan Technological University**

- **Analysis of a Turbocharged HCCI Engine Using a Detailed Kinetic Mechanism**
  利用详细动力学机理的涡轮增压HCCI发动机分析
  L. Montorsi, **University of Modena** and Reggio Emilia; F. Mauss, **University of Lund**; A. Bhave, M. Kraft, **University of Cambridge**

- **AutoDOE Optimization and Direct Execution of GT-Power Engine Simulations**
  AutoDOE优化和GT-POWER发动机仿真的直接实行
  Greg Hampson, Anupam Dave, Vivek Tandel, James Smyth, **QuEST**

- **Boosting the Starting Torque of Downsized SI Engines**
  小型化SI发动机的启动扭矩提升
  Hans Rohs, **RWTH Aachen**; Knut Haberman, Oliver Lang, Martin Rauscher, Christof Schernus, **FEV Motorentechnik**

- **Acoustic Development: Motorbike Muffler**
  摩托车消声器的声学开发
  Detlev Rammoser, **Zeuna-Staerker**

Year 2001

- **Effect of EGR on Ignition Delay in Truck DI Diesel Engine**
  卡车直喷柴油机中EGR对着火延迟的影响
  Syed Wahiduzzaman, **Gamma Technologies Inc.**

- **A Correlation Study of GT-VTrain**
  GT-VTrain的相关研究
  Mike Dark, **Cosworth Technology Ltd.**

- **Camless Engine Modeling**
  无凸轮发动机模拟
  Christof Schernus, Frank van der Staay, Hendrikus Janssen, Jens Neumeister, **FEV Motorentechnik**; Betina Vogt, **Institute for Combustion Engines, RWTH Aachen**; Lucien Donce, Ivan Estlimbaum, Christophe Maerky, Eric Nicole, **Johnson Controls Automotive Electronics (JCAE) SA**.

- **Optimization of Automotive Control Parameters with Frontier**
  基于Frontier的车辆控制参数优化
  Asahiko Otani, **CD-adapco JAPAN Co**.

- **GT Power at GM Powertrain**
  GT Power在GM动力总成
  Gerry Clark, **General Motors**.

- **iSIGHT/GT-Power Coupling**
  iSIGHT/GT-Power耦合
  Brad Tillock, **Gamma Technologies, Inc.**; Charles Yuan, **Engineous Software, Inc.**

- **Using GT-Power to Perform Sensitivity Analysis on Engine Models**
  基于GT-Power的发动机模型敏感性分析
  Gregory J. Hampson, **Engine Consulting Services QuEST-Schenectady**.

- **Modeling Continuously-Regenerating Soot Filters with GT-Power**
  基于GT-Power的连续再生颗粒捕集器仿真
  John J. Kasab, **Scania CV AB**.

- **Experimental and Computational Analysis of a High Peformance Motorcycle Engine**
  高性能摩托车发动机的试验和计算分析
  F. Millo, M. Badami, G. Giaffreda, **Dipartimento Di Energetica Politecnico Di Torino**.

Year 2000

- **Catalyst Modeling Using the GT-Power/BISTRO Interface**
  采用GT-Power/BISTRO接口进行催化器模拟
  Suresh Sriramulu, Patrice D. Moore, J.P. Mello, Robert S. Weber, **Arthur D. Little, Inc**.

- **Analysis of Alternative EGR Systems on the Deutz BF6M 2013C Diesel Engine**
  Deutz BF6M 2013C柴油机不同EGR系统分析
  Frank Schmitt, **Deutz**.

- **Derivation of a Mean Value Model from a Detailed Model**
  从详细模型推导出平均值模型
  Martin Rauscher, Christof Schernus, **FEV Motorentechnik**; John Silvestri, **Gamma Technologies**.

- **Transient Simulation of a Turbocharged Diesel Engine with Simulink ECU Control**
  具有SIMULINK ECU控制的涡轮增压柴油机的瞬态模拟

Francesco Cianflone, Umberta Nasi, **FIAT CRF**.

- **Simulation of a Two-Stroke Compression Ignition Hydraulic Free Piston Engine**
  两冲程压燃液压自由活塞发动机仿真
  Sten Isaksson, **Helsinki University of Technology**.

- **GT-Power/Simulink Simulation as a Tool to Improve Individual Cylinder AFR Control in a Multi-Cylinder S.I. Engine**
  基于GT-Power/Simulink的多缸SI发动机中单缸空燃比控制提升
  F. Millo, G. DE Paola, **Dipartimento Di Energetica Politecnico Di Torino**; L. Pilo, **Direzione Motopropulsori Fiat Auto S.p.A.**

- **GT-Power as a Tool for Backpressure Prediction**
  基于GT-Power的背压计算
  Hannes Steinkilberg, Detlev Rammoser, **Zeuna Starker**.

Year 1999

- **Transient Simulation of a Diesel Engine as a Tool for Virtual Calibration**
  将柴油发动机瞬态模拟作为虚拟标定的工具
  M. Rauscher, Ch. Schernus, K. Fieweger, O. Lang, P. Adomeit, **FEV Motorentechnik GmbH**; B. Kinoo, **Aachen University of Technology, Institute for Combustion Engines**.

- **Hybrid Modeling for the Design and Analysis of Engine Control Systems**
  发动机设计和分析的混合模型
  T. Spägele, A. Dölker, M. Groddeck, **MTU Friedrichshafen**.

- **Development of a Model Based Transient EGR Controller**
  基于模型的瞬态EGR控制器开发
  Richard Stobart, Rob Bowyer, **Arthur D. Little, Inc.**

- **Homogeneous Charge Compression Ignition. Can we Tame the Beast?**
  均质充量压燃（HCCI）——我们可以驯服吗？
  JR Linna, J.P. Mello, Richard Stobart, **Arthur D. Little, Inc.**

- **Evaluation of Exhaust Brakes as Back Pressure Simulators on Engine Testbed**
  测试时以排气制动作为背压仿真器的评估
  Les Smith, **MIRA**.

- **A Comparison Between Engine Test Results and GT-Power Predictions, Conducted on a 4 Liter, Direct Injection, Diesel Engine with EGR**
  对 4L直喷、带EGR柴油机测试和GT-Power仿真的比较
  Edward P. Gossage, **Perkins, Perkins engine Company**.

Year 1998

- **1D/3D Computational Analysis of a V6 S.I. Variable Intake Manifold**
  V6 S.I.可变进气歧管的 1D/3D耦合分析
  Christof Schernus, Thorsten Märtens, Werner Willems, **FEV Motorentechnik GmbH & Co. KG**; Martin Hopp, **Lehrstuhl für Verbrennungskraftmaschinen, RWTH Aachen**; Heijo Oehlschlegel, **FEV engine technology, Inc.**

- **The Effect of Pressure Ratio on Port Discharge Coefficients**
  压比对于气道流量系数的影响
  Jon Downing, **Cosworth Technology**.

- **Engine Warmup Simulation using GT-Cool**
  基于GT-Cool的发动机暖机仿真
  Martin Kasten and Matthias Klug, **FEV Motorentechnik GmbH**.

- **An Analytical Study On Turbocharging A V6 SUV High Speed Direct Injection (HSDI) Diesel Engine**
  V6 SUV高速直喷（HSDI）柴油机涡轮增压的研究
  Heinz Jost Oelschlegel, Jing Ping Liu, **FEV Engine Technology, Inc.**