

## SAE 2012 Hybrid Vehicle Technologies Symposium

February 21-22, 2012

[www.sae.org/hybrid](http://www.sae.org/hybrid)



image courtesy  
Ford Motor Company

## SAE 2012 Electric Vehicle Technologies Symposium

February 23, 2012

[www.sae.org/ev](http://www.sae.org/ev)



### Critical Topics Being Addressed:

- Long term technology
- Market Projections
- Energy storage system innovations
- Challenges facing the market
- Challenges facing energy storage systems
- OEM innovations and technology perspectives
- Supplier advances and innovations
- Heavy-duty hybrid developments for commercial vehicle and military
- Fuel economy and environmental aspects
- Need for public charging infrastructure
- Fast charging developments
- Regulations and standards
- Cabin thermal management
- Battery thermal management
- Battery state of health
- Utility preparedness
- Secondary use, recycling and disposal

**ATTEND. EXHIBIT. SPONSOR.**

Town and Country Resort &  
Conference Center  
San Diego, CA



# SAE 2012 Hybrid Vehicle Technologies Symposium

February 21-22, 2012  
Town and Country Resort and Conference Center  
San Diego, CA  
USA

This symposium will provide first-hand knowledge of recent innovations from leaders in the industry through specialized panel discussions and presentations. Take advantage of networking opportunities with peers as well as leading companies involved in hybrid technology.

## By attending this symposium you:

- Gain critical insight on the customers' perspective and expectations of hybrid vehicles
- Learn more about the challenges and innovations in battery technology and energy storage systems design
- Hear about the latest advancements in plug-in hybrid technology
- Network with the leading OEMs and energy storage providers and discuss items most critical to hybrid development and cost reduction via panel discussions

## Symposium Organizers



**Craig Childers**  
Air Resources Engineer  
Zero Emissions Vehicle (ZEV)  
California Air Resources  
Board (Hybrid/EV)



**John M. German**  
Senior Fellow  
Program Director  
International Council on  
Clean Transportation  
(Hybrid)



**Ming Kuang**  
Technical Leader  
Vehicle Controls  
Electrification Research and  
Advanced Engineering  
Research and Innovation  
Center  
Ford Motor Company  
(Hybrid/EV)



**Robert Larsen**  
Director Emeritus  
President  
OboTech LLC  
(Hybrid/EV)



**Owen Thunes**  
Senior Project Engineer  
Hybrid, Electric & Fuel Cell  
Vehicles  
Nissan North America  
(Hybrid/EV)



**Avernathy Francisco**  
Engineer  
Toyota Motor Engineering &  
Manufacturing N.A.  
Advanced Powertrain -  
Gasoline Hybrids  
(Hybrid/EV)

[www.sae.org/hybrid](http://www.sae.org/hybrid) - register by February 3, 2012 to save!

# HYBRID SYMPOSIUM FEATURES

## Networking Receptions

Following the presentations on Tuesday and Wednesday, take the opportunity to network with organizers, speakers, panelists and fellow attendees in a hosted reception surrounded by companies exhibiting technology and products that are at the forefront of hybrid advancement. This is a great opportunity to mingle with some of the greatest minds developing hybrids in an informal and relaxed environment.



**Mardi Gras  
Tuesday  
Reception**

## Exhibition – This exhibit is selling fast!

Visit the tabletop displays to learn about the latest hybrid technology solutions from around the globe.

### Exhibitors:

AVL	Infineon Technologies	Semikron
Baden-Württemberg International	N.A. Corp.	Solutia, Inc.
CD-adapco	Intertek	Solvay Specialty Polymers
Delphi Automotive Systems	Mentor Graphics	Ticona Engineering
D&V Electronics	Mission Motors Company	Polymers
DG Technologies	P3 North America	TM4, Inc.
FCI Automotive, Inc.	Remy Electric Motors	Transportation Research Center, Inc.
Horiba Instruments, Inc.	Ricardo	TTI Inc.
	SBE Inc.	

## Presentation Discussions

Each supplier will address a specific technology development and demonstrate what that advancement means to the development of the HEV/PHEV industry. Attendees will come away with a deeper appreciation of a specific issue and new knowledge of how it can be addressed by a given technology.

**Consumer Response to Hybrids** – Kim Reynolds, Motor Trend Magazine

**Long-term Technology Issues and Projections** – John German, International Council on Clean Transportation

**Understanding the Green and the Not So Green Consumer** – Mike Vannieuwkuyk, JD Power and Associates

**DOE Report on Hybrid Technologies and Market Penetration** – Jacob Ward, Department of Energy

### Presentations from OEMs including:

Ford – Charles Gray	Toyota – Presenter TBD
Nissan – Taiichi Onoyama	General Motors – Presenter TBD
Jaguar/Land Rover – Paul Bostock	Additional OEMs TBD

**Cooling the Propulsion System of an Extended Range Electric Sports Sedan** – Andrew J. VanDamme, Fisker Automotive

**SAE Standards to Support Electro-Mobility** – Keith Wilson, SAE International

**Advanced Automotive Batteries Technology and Market 2012 – 2020** – Menahem Anderman, Advanced Automotive Batteries

**Smart and Connected Electrification at Ford** – Ming Kuang, Ford Motor Company

**Test Results of Plug-in Vehicles According to SAE Standard Testing Practices** – Mike Duoba, ANL

**The Benefits of Hybrid Electric Drive for Military Operations** – Andrew Silveri, General Dynamics Land System

**Status of Hybrids in China** – Dr. Andrew Brown, Delphi

### Panel Discussions

This year's symposium will feature panel discussions addressing key issues effecting hybrid development and market penetration.

#### **Energy Storage Systems**

The focus of this panel will be those issues most critical to advancing the current state of energy storage. Among these is technology, lowering costs, improved performance, energy use, material and component supply for the pipeline. Panelists will also discuss business cases being made for manufacturing in the United States versus other parts of the world. Finally, discussion of regulatory and warranty issues and customer expectations will be included.

*Moderator:* **John German – International Council on Clean Transportation**

*Theme:* **Are Energy Storage Systems Ready for Prime Time?**

*Panelists:* Kev Adjemian – Nissan Technical Center NA

Chi-Hum Paik – Ford

Prabhakar B. Patil – LG Chem Power, Inc.

Thomas Watson – Johnson Controls, Inc.

Menahem Anderman – Advanced Automotive Batteries

#### **OEM Hybrids**

Hear leading OEMs in PHEV and HEV as they address audience questions and discuss the issues most pertinent to producing higher volume, lower cost vehicles. Hear their opinions on regulations, standards, system designs and energy storage. Finally, listen as the panelists discuss what needs to happen to ensure the success of this technology in today's marketplace. Come prepared with questions for these experts.

*Moderator:* **Robert Larsen**

*Theme:* **Challenges of a Complex Marketplace**

*Panelists:* Ford – Charles Gray

Nissan – Taiichi Onoyama

Jaguar/Land Rover – Paul Bostock

Toyota – Presenter TBD

General Motors – Presenter TBD

Additional OEMs TBD

### Supplier Discussions

Steel Development Institute – **Future Steel Vehicle: Leading Edge Innovation Addressing Lightweight Steel Body Structures for Electrified Vehicles**, Ron Krupitzer

Infineon Technologies – **Value Driven Semiconductor Device and Packaging Innovation for Vehicle Electrification**, Mr. Mark Münzer

Robert Bosch LLC – **Axle Split System**, Joe Slenzak

Valeo – **Inverter-Charger**, Derek de Bono and Benedicte Silvestre

Dana Holding Corporation – **Thermal Management Technology**, Speaker TBD

# EXHIBIT AND SPONSORSHIP OPPORTUNITIES

## HYBRID VEHICLE TECHNOLOGY SYMPOSIUM

### Hybrid Vehicle Tabletop – BASIC DISPLAY..... \$2,400 (USD)

*Includes: (first come, first served – limited space availability)*

- One (1) six foot table (6' x 30") with two chairs
- One (1) Full Symposium Registration (*includes: lunch, refreshment breaks, evening receptions and presentation materials*)
- Company recognition and profile in the Event Guide and Event Website

### Hybrid Vehicle Tabletop – PLUS OPTION..... \$3,200 (USD)

All benefits listed above PLUS:

- One (1) additional Full Symposium Registration (*includes: lunch, refreshment breaks, evening receptions and materials*)

## SPECIAL OFFERING for TWO EVENTS

*Exhibit at BOTH the Hybrid Vehicle Symposium AND the Electric Vehicle Symposium for one price!*

### Hybrid Vehicle Tabletop and Electric Vehicle Tabletop –

#### BASIC DISPLAY: ..... \$3,200 (USD)

*Includes: (first come, first served – limited space availability)*

- One (1) six foot table (6' x 30") with two chairs at each event
- One (1) Full Complimentary Registration for each event
- Company recognition and profile in BOTH Event Guide sections and on BOTH Event Websites

### Hybrid Vehicle Tabletop and Electric Vehicle Tabletop –

#### PLUS Option: ..... \$4,300 (USD)

*Includes: All of the items included in BOTH events above, PLUS:*

- One (1) additional Full Complimentary Registration

### Executive Sponsor / Tuesday Welcome Reception ..... \$15,000 (USD)

- **EXCLUSIVE** host of the **TUESDAY WELCOME RECEPTION**
- One (1) tabletop display (*value \$2,400*) - 6'x 30" table with two chairs
- Two (2) complimentary full symposium registrations – (*includes: lunch, refreshment breaks, evening receptions and materials.*)
- Cocktail napkins with sponsor's logo
- Corporate recognition as the **EXECUTIVE SPONSOR** in the Event Guide
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor's homepage
- Display of sponsor's logo on the "all-sponsor" signage at the event
- Recognition in the event promotional materials (*available at the discretion of SAE Marketing*)



# EXHIBIT AND SPONSORSHIP OPPORTUNITIES

## HYBRID VEHICLE TECHNOLOGY SYMPOSIUM

### Platinum Sponsor / Wednesday Networking Reception..... \$12,000 (USD)

- **EXCLUSIVE** host of the **WEDNESDAY NETWORKING RECEPTION**
- One (1) tabletop display (*value \$2,400*) – 6' x 30" table with two chairs
- Two (2) complimentary full symposium registrations – (*includes: lunch, refreshment breaks, evening receptions and materials.*)
- Cocktail napkins with sponsor's logo
- Corporate recognition as the **PLATINUM SPONSOR** in the Event Guide
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor's homepage
- Display of sponsor's logo on the "all-sponsor" signage at the event
- Recognition in the event promotional materials (*available at the discretion of SAE Marketing*)

### Diamond Sponsor / Conference Portfolio or Tote Bag ..... \$12,000 (USD)

*Sponsor BOTH events for \$15,000! A \$4500 savings!*

- **EXCLUSIVE** sponsor of the **CONFERENCE PORTFOLIO** or **TOTE BAG** distributed to all Hybrid symposium attendees
- One (1) tabletop display (*value \$2,400*) – 6' x 30" table with two chairs
- One (1) complimentary full symposium registration – (*includes: lunch, refreshment breaks, evening receptions and materials.*)
- Corporate recognition as the **DIAMOND SPONSOR** in the Event Guide
- Corporate recognition on the event sponsor page of the SAE Website with a link to the sponsor's homepage
- Display of logo on the "all-sponsor" signage at the event
- Recognition in event promotional materials (*available at the discretion of SAE Marketing*)

### Sapphire Sponsor / Tuesday or Wednesday Lunch ..... \$8,000 (USD)

*Sponsor both Hybrid Symposium luncheons for \$13,500!*

- **EXCLUSIVE** host of Tuesday or Wednesday Lunch (*sponsor's choice based on availability*)
- Opportunity to provide gifts to luncheon attendees (*sponsor's expense*)
- Corporate recognition as the **SAPPHIRE SPONSOR** in the Event Guide (*Sponsor both luncheons and become a PLATINUM SPONSOR!*)
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor's homepage
- Display of sponsor's logo on the "all-sponsor" signage at the event
- Recognition in event promotional materials (*available at the discretion of SAE Marketing*)

**Gold Sponsor / Conference Notepads and Pens ..... \$4,500 (USD)**

*Sponsor notepads and pens for BOTH Events - Hybrid and Electric Symposiums for \$6500 USD!*

- **EXCLUSIVE** sponsor of **CONFERENCE NOTEPADS AND PENS** available to all Hybrid symposium attendees
- Corporate recognition as the **GOLD SPONSOR** in the Event Guide
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor's homepage
- Display of sponsor's logo on the "all-sponsor" signage at the event
- Recognition in event promotional materials (*available at the discretion of SAE Marketing*)

**Bronze Sponsor / "Smoothie" Refreshment Break OR Ice Cream Social ..... \$3,500 (USD)**

- Corporate recognition at one of four (4) opportunities – TUESDAY / AM or PM – WEDNESDAY / AM or PM
- Corporate recognition as the **BRONZE SPONSOR** in the Event Guide
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor's homepage
- Display of sponsor's logo on the "all-sponsor" signage at the event
- Recognition in event promotional materials (*available at the discretion of SAE Marketing*)

**Bronze Sponsor / Pocket Hand Sanitizer ..... \$2,500 (USD)**

- Corporate recognition on **Pocket Hand Sanitizer** distributed to all Hybrid Vehicle Symposium attendees
- Corporate recognition as a **BRONZE SPONSOR** in the Event Guide
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor's homepage
- Display of sponsor's logo on the "all-sponsor" signage at the event
- Recognition as a sponsor in event promotional materials (*available at the discretion of SAE Marketing*)

**Friend of the Industry Sponsor / Symposium Supporter..... \$1,500 (USD)**

- Corporate recognition as a **FRIEND OF THE INDUSTRY** in the Event Guide
- Recognition on the SAE website event sponsor page with a link to sponsor's home page
- Display of sponsor's logo on the "all-sponsor" signage at the event
- Recognition in event promotional materials (*available at the discretion of SAE Marketing*)



# SAE 2012 Electric Vehicle Technologies Symposium

February 23, 2012  
Town and Country Resort and Conference Center  
San Diego, CA  
USA

What will the automotive industry look like in 2020? For most experts the question isn't if, but when will this technology become economically viable for mass usage? Industry experts estimate that between 3-10% of all vehicles on the road will either be extended-range or pure electric vehicles in 2020. With NHTSA and EPA 2016 fuel efficiency standard and CARB's 2014 fuel economy regulations for light and medium duty vehicles, the importance of making electric vehicle technologies cost effective and capable of delivering quantifiable improvements in vehicle efficiency becomes a critical tipping point for mass implementation.

## Exhibition – Don't miss the opportunity to meet these industry leaders.

### Exhibitors:

AVL  
Baden-Württemberg International  
CD-adapco  
Delphi Automotive Systems  
D&V Electronics  
DG Technologies  
FCI Automotive Inc.  
Green Dot (Transportation), Inc.  
Horiba Instruments, Inc.  
Infineon Technologies N.A. Corp.  
Intertek  
Mentor Graphics

Mission Motors Company  
Remy Electric Motors  
Ricardo  
SBE Inc.  
Semikron, Inc.  
Solutia, Inc.  
TDK – Lambda Americas  
Ticona Engineering Polymers  
TM4, Inc.  
Transportation Research Center, Inc.  
TTI, Inc.



The Virginia Tech EcoCAR vehicle used during the Autocross Event will be on display at the Symposium

**\*Separate registration is required for the one-day Electric Vehicle Symposium; See registration information on page 11 for details**

# ELECTRIC VEHICLE SYMPOSIUM FEATURES

## Presentation Discussions

This event will combine state-of-the-art technology, economic tipping point presentations with technical panel discussions - all designed to give attendees face-to-face networking opportunities with leading professionals associated with this technology.

**Opening Viewpoint** – Lord Paul Drayson, Managing Director of Drayson Racing Technologies

**Preliminary Results from DOE EV Project** – John Smart, Idaho National Lab.

**Utility Preparedness/System Capacity to Deliver Adequate Power & Energy** – Mark Duvall, Electric Power Research Institute (EPRI)

**Battery Recycling and Disposal** – Todd Coy, Kinsburski Brothers Supply, Inc.

**Where Are We With Heavy Duty EVs** – Josh Goldman, Proterra, Inc.

**Wireless Power Charging Fundamentals and Challenges** – John Miller, ORNL

**Panel Discussion: Global EV Charging Methods**

**GM-Spark Presentation**

**Application of Electric Vehicle Technology at Tesla**

**Application of Electric Vehicle Technology at Ford** – Charles Gray, Ford Motor Co.

**Electrification of Vehicles at Nissan Motor Company to achieve Zero Tailpipe Emissions** – Kev Adjemian, Nissan Technical Center NA

**Application of Electric Vehicle Technology at Toyota**

**Application of Electric Vehicle Technology at Mitsubishi**

**OEM Panel Discussion - Competing in the Automotive Market**

*Moderator* – Craig Childers, California Air Resources Board

*Panelists* – Kev Adjemian, Nissan Technical Center NA  
Charles Gray, Ford Motor Co.

BMW

Tesla

Toyota

Mitsubishi

General Motors



# EXHIBIT AND SPONSORSHIP OPPORTUNITIES

## ELECTRIC VEHICLE SYMPOSIUM

### **Electric Vehicle – BASIC DISPLAY ..... \$1,500 (USD)**

*Includes: (first come, first served – limited space availability)*

- One (1) six foot table (6' x 30") with two chairs
- One (1) Full Symposium Registration (*includes: lunch, refreshment breaks, evening receptions and presentation materials*)
- Company recognition and profile in the Event Guide and Event Website

### **Electric Vehicle Tabletop – PLUS OPTION ..... \$1,800 (USD)**

All benefits listed above PLUS:

- One (1) additional Full Symposium Registration (*includes: lunch, refreshment breaks, evening receptions and materials*)

## SPECIAL OFFERING for TWO EVENTS

*Exhibit at BOTH the Hybrid Vehicle Symposium AND the Electric Vehicle Symposium for one price!*

### **Hybrid Vehicle Tabletop and Electric Vehicle Tabletop –**

### **BASIC DISPLAY: ..... \$3,200 (USD)**

*Includes: (first come, first served – limited space availability)*

- One (1) six foot table (6' x 30") with two chairs at each event
- One (1) Full Complimentary Registration for each event
- Company recognition and profile in BOTH Event Guide sections and on BOTH Event Websites

### **Hybrid Vehicle Tabletop and Electric Vehicle Tabletop –**

### **PLUS Option: ..... \$4,300 (USD)**

*Includes: All of the items included in BOTH events above, PLUS:*

- One (1) additional Full Complimentary Registration

**Diamond Sponsor / Conference Portfolio or Tote Bag ..... \$ 7,500 (USD)**

- Recognition as the **EXCLUSIVE** host of the **CONFERENCE PORTFOLIO** or **TOTE BAG** distributed to all Electric symposium attendees
- One (1) tabletop display (*value \$1,500*) – 6’ x 30” table with two chairs
- One (1) complimentary full symposium registration (*includes: lunch, refreshment breaks, evening receptions and materials.*)
- Corporate recognition as a **DIAMOND SPONSOR** in the Event Guide
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor’s homepage
- Display of sponsor’s logo on the “all-sponsor” signage at the event
- Recognition in the event promotion materials (*available at the discretion of SAE Marketing*)

**Gold Sponsor / Conference Notepads and Pens ..... \$3,750 (USD)**

*Sponsor notepads and pens for BOTH Events - Hybrid and Electric Symposiums for \$6500 USD!*

- **EXCLUSIVE** sponsor of the **CONFERENCE NOTEPADS AND PENS** distributed to all Electric symposium attendees
- Corporate recognition as the **GOLD SPONSOR** in the Event Guide
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor’s homepage
- Display of logo on the “all-sponsor” signage at the event
- Recognition in event promotional materials (*available at the discretion of SAE Marketing*)

**Silver Sponsor/Week-at-a-Glance Pocket Agenda..... \$3,000 (USD)**

- Corporate recognition as the **EXCLUSIVE** sponsor of the **Week-at-a-Glance Pocket Guide / Badge Insert**
- Corporate recognition as the **SILVER SPONSOR** in the Event Guide
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor’s homepage
- Display of sponsor’s logo on the “all-sponsor” signage at the event
- Recognition as a sponsor in event promotional materials (*available at the discretion of SAE Marketing*)

**Bronze Sponsor /”Smoothie” Refreshment Break or Ice Cream Social ..... \$2,500 (USD)**

- **EXCLUSIVE** host of one of two (2) refreshment break opportunities
- Corporate recognition as a **BRONZE SPONSOR** in the Event Guide
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor’s homepage
- Display of sponsor’s logo on the “all-sponsor” signage at the event
- Recognition as a sponsor in event promotional materials (*available at the discretion of SAE Marketing*)

# EXHIBIT AND SPONSORSHIP OPPORTUNITIES

## ELECTRIC VEHICLE SYMPOSIUM

### Bronze Sponsor / Pocket Hand Sanitizer ..... \$2,500 (USD)

- Corporate recognition on **Pocket Hand Sanitizer** distributed to all Electric Vehicle Symposium attendees
- Corporate recognition as a **BRONZE SPONSOR** in the Event Guide
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor's homepage
- Display of sponsor's logo on the "all-sponsor" signage at the event
- Recognition as a sponsor in event promotional materials (*available at the discretion of SAE Marketing*)

### Friend of the Industry / Symposium Supporter ..... \$1,000 (USD)

- Corporate recognition as a **FRIEND OF THE INDUSTRY SPONSOR** in the Event Guide
- Recognition on the event sponsor page of the SAE Website with a link to the sponsor's homepage
- Display of sponsor's logo on the "all-sponsor" signage at the event
- Recognition in event promotional materials (*available at the discretion of SAE Marketing*)

Premier Partner:



Lanyard Sponsor:



Friend of the Industry Sponsors:



### Event Guide Advertising

2nd Cover - 4C (inside front) - \$1035 gross

3rd Cover - 4C (inside back) - \$ 970 gross

4th Cover - 4C (back) - \$1100 gross

Inside pages (B/W)

- Full Page - \$880 gross

- 1/2 Horizontal - \$500 gross

Inside pages (4C)

- Full Page - \$950 gross

- 1/2 Horizontal - \$750 gross

Contact **Arlene DiSilvio** to learn more about promoting your company to top industry professionals!

Phone: 724-772-4060 or email, [disilvio@sae.org](mailto:disilvio@sae.org)

# REGISTRATION

**Pre-registration/Cancellation Deadline:** February 3, 2012

**Travel Visa Information** <http://www.sae.org/events/travelvisa.htm>

## Registration Categories and Fees

Hybrid Vehicle Technologies Symposium (Feb. 21-22, 2012)		
Category	By 2/3/12	After 2/3/12
SAE Classic Member	\$945	\$1045
SAE Premium Member	\$920	\$1020
SAE Elite Member	\$895	\$995
Non-Member	\$1345	\$1445
Participant (includes moderator, organizer, panelist, presenter)	FREE	FREE
Exhibitor Booth Personnel (Limit 1 per booth) Exhibitor ID# required	FREE	FREE

  

Electric Vehicle Technologies Symposium (Feb. 23, 2012)		
Category	By 2/3/12	After 2/3/12
SAE Member (when added to Hybrids Symposium)	\$245	\$345
SAE Member	\$395	\$495
Non-Member	\$495	\$595
Participant (includes moderator, organizer, panelist, presenter)	FREE	FREE
Exhibitor Booth Personnel (Limit 1 per booth) Exhibitor ID# required	FREE	FREE

### Registration Hours:

Monday, February 20, 2012	4:00 p.m. – 6:00 p.m.
Tuesday, February 21, 2012	7:00 a.m. – 5:00 p.m.
Wednesday, February 22, 2012	7:00 a.m. – 5:00 p.m.
Thursday, February 23, 2012	7:00 a.m. – 3:00 p.m.

### Join SAE Now!

**Conditions of Sale:** Registrations received after February 3, 2012 will automatically be charged the on-site price. NO CHILDREN UNDER THE AGE OF 16 PERMITTED. All cancellations must be received by SAE prior to February 3, 2012. A \$50 processing fee will be assessed for each canceled registration that results in a refund. Refunds for special event/meal tickets will not be processed after February 3, 2012. Refunds will not be issued if cancellation occurs on or after February 3, 2012.



SAE will do what is feasible to make its events reasonably accessible to attendees. If you have special accommodation needs, please let us know in advance by calling 1-877-606-7323 (1-724-776-4970 outside U.S. and Canada). Accommodations requested on site will be provided only if possible for us to do so on short notice.

### FOR ASSISTANCE WITH REGISTRATION, PLEASE CONTACT:

SAE Customer Service

**Telephone:** 1-877-606-7323 (USA and Canada)

Or 1-724-776-4970 (outside of USA and Canada)

**Fax:** 1-724-776-0790

**E-mail:** [CustomerService@sae.org](mailto:CustomerService@sae.org)



## HOTEL INFORMATION

**Message to Attendees:** SAE International has made every effort to secure the best possible group nightly room rate for you at this event. That rate results from a negotiated overall package of event needs such as sleeping rooms, meeting room space and other requirements. Contracts with the venue include a provision to reduce event costs if SAE meets or exceeds its minimum sleeping room block guarantee. Conversely, event costs will increase if SAE falls short of its minimum room block guarantee. **Please help SAE keep the costs of this event as low as possible by booking your housing needs at the designated host hotel and through the reservation process created by SAE.** Reserving elsewhere means you are booking outside the contracted room block, jeopardizing SAE's ability to meet its contracted obligations and to keep registration fees to a minimum. SAE appreciates your support and understanding of this important issue. Thank you

To book your reservation on line, visit [www.sae.org/hybrid](http://www.sae.org/hybrid) or [www.sae.org/ev](http://www.sae.org/ev), click on the **Hotel and Travel Information link** and then the **Hotel Reservation Form**.

### **Town and Country Resort and Convention Center**

500 Hotel Circle North  
San Diego, CA 92108

**THIS EVENT HAS A HISTORY OF SELLING OUT! PLEASE MAKE YOUR HOTEL ROOM RESERVATIONS AS EARLY AS POSSIBLE.**

SAE's group rate is \$147.00 per room per night, single or double occupancy, plus applicable local, state and federal taxes.

Reservations can be made by each attendee by following the Hotel Reservation Form. All room, tax and incidental charges will be paid directly by the individuals.

- All attendees are responsible for their own lodging and travel arrangements.
- Sleeping Rooms include complimentary Internet.
- A block of sleeping rooms has been reserved at the Town and Country Resort.
- Reservations must be made through the Housing Connection by Monday, February 6, 2012.

### **Cancellation Policy:**

Reservations must be cancelled within 72 hours in advance or a penalty of one night's stay, plus tax, will be incurred.

Visit [www.sae.org/hybrid](http://www.sae.org/hybrid) for additional travel information and updates.

# ADDITIONAL RESOURCES FROM SAE

## Seminar Held in Conjunction with the Event

**New! Hybrid Vehicle Systems Integration – [www.sae.org/pdevent/C1125](http://www.sae.org/pdevent/C1125)  
February 20, 2012**

Integration of hybrid electric components into a vehicle can be significantly complex. Detailed modeling, analysis, design and development are required to optimize the tradeoffs and balances between energy management, torque management, vehicle performance, vehicle drivability and vehicle safety. Management of component and system controls architecture and software integration is an increasingly involved and convoluted task. This seminar will address: how to establish essential vehicle requirements; development considerations for various vehicle systems and production/certification requirements. A strong focus will be placed on understanding the balances and tradeoffs associated with a hybrid electric system.

**Instructor:** Alexandra Cattelan

**Fees:** \$725; **SAE Members – Classic:** \$653; **Premium:** \$616; **Elite:** \$580

For more information and to register, visit [www.sae.org/pdevent/C1125](http://www.sae.org/pdevent/C1125)

Separate registration is required for this seminar.

## Introducing Hybrid Technology Webinars from SAE International

### Introduction to Hybrid Powertrains

May 22, 2012; 11:30 a.m. – 1:30 p.m. ET

(1, 120-minute session: I.D. 0903)

### Basic Hybrid and Electric Vehicle Safety

May 24, 2012; 11:30 a.m. – 1:30 p.m. ET

(1, 120-minute session: I.D. 0904)

### Plug-In Hybrids: Opportunities and Challenges

May 29, 2012; 11:30 a.m. – 1:30 p.m. ET

(1, 120-minute session: I.D. C0905)

### Hybrid and Electric Vehicles: Current Production, Future Strategies

May 31, 2012; 11:30 a.m. – 1:30 p.m. ET

(1, 120-minute session: I.D. C0906)

## Books and Special Publications

### Hybrid Powered Vehicles

*Author: John German*

This book provides the reader with a thorough yet accessible understanding of the latest hybrid technology developments, along with keen insight into the market forces shaping the technology and a look at what lies ahead.

**Product Code: T-125: List Price: \$199.00**

### Order today!

Online: [books.sae.org](http://books.sae.org)

E-mail: [CustomerService@sae.org](mailto:CustomerService@sae.org)

Phone: 1-877-606-7323 (U.S. and Canada only) or 1-724-776-4970

Note: Prices subject to change. Actual shipping charges will be added.

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# SAE 2012 Electric Vehicle Technologies Symposium

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**ATTEND. EXHIBIT. SPONSOR.**

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