

SAE 2012 Transmission & Driveline Symposium: Competition for the Future Technical Session Schedule

As of 10/23/2012 07:40 pm

Wednesday, October 17

Overview

Session Code: TRANS1

Room Mackinac

Session Time: 8:15 a.m.

Chairpersons - Mircea Gradu, Chrysler Group LLC

Time	Paper No.	Title
8:30 a.m.	ORAL ONLY	Non-OEM View of Overall Transmission Situation, Trends in the Marketplace Philip G. Gott, IHS
9:00 a.m.	ORAL ONLY	An OEM Perspective on the Road to 2025 and the 54.5 mpg Goal Vaughn R. Burns, Chrysler Group LLC
9:30 a.m.	Panel	Future Hybrid Strategies Panel Discussion Moderators - Floyd E. Allen, FEV, Inc. Panelists - Joseph Lemieux, IAV Automotive Engineering Inc.; Larry T. Nitz, General Motors LLC; Brian Wolfe, Ford Motor Co.;
10:30 a.m.		BREAK

Wednesday, October 17

Partnerships

Session Code: TRANS2

Room Mackinac

Session Time: 11:00 a.m.

Chairpersons - Steven G. Thomas, Ford Motor Co.

Time	Paper No.	Title
11:00 a.m.	ORAL ONLY	Lessons Learned - Developing Transmissions in Partnerships Craig Renneker, Ford Motor Co.
11:30 a.m.	ORAL ONLY	Lessons Learned - China/Korea on the Small 6 Speed Front Drive Shawn Burns, GM Powertrain
12:00 p.m.	ORAL ONLY	Lessons Learned: Partnerships with Chrysler/ZF Berthold Martin, Mark R. Champine, Chrysler Group LLC

Wednesday, October 17

Hybridization - Part 1

Session Code: TRANS3

Room Mackinac

Session Time: 1:30 p.m.

Chairpersons - Joseph Lemieux, IAV Automotive Engineering Inc.

<i>Time</i>	<i>Paper No.</i>	<i>Title</i>
1:30 p.m.	ORAL ONLY	Transmission and Driveline Considerations for Hydraulic Hybrid Applications <i>Larry Hartter, FEV Inc.</i>
2:00 p.m.	ORAL ONLY	Electrification of the Driveline <i>Patrick Lindemann, LUK Inc.</i>
2:30 p.m.	ORAL ONLY	Research on EVs, HEV with the Aim on Efficiency <i>Donald Hillebrand, Argonne National Laboratory</i>
3:00 p.m.		BREAK

Wednesday, October 17

Hybridization - Part 2

Session Code: TRANS3

Room Mackinac

Session Time: 3:30 p.m.

Chairpersons - Joachim Wolschendorf, FEV, Inc.

<i>Time</i>	<i>Paper No.</i>	<i>Title</i>
3:30 p.m.	ORAL ONLY	P2 Hybrid HEV Application <i>Heribert Scherer, ZF Getriebe GmbH</i>
4:00 p.m.	ORAL ONLY	ActiveHybrid ζ The New Full-Hybrid Powertrains of BMW in the 3, 5 and 7Series <i>Marcus Hafkemeyer, BMW of North America</i>
4:30 p.m.	ORAL ONLY	Sonata HEV <i>Richard J. Leja, HATCI</i>

Thursday, October 18

New Developments - Transmission and Driveline Efficiency Improvements: Where will the Next 5% of Fuel Economy Come From? - Part 1

Session Code: TRANS4

Room Mackinac

Session Time: 8:00 a.m.

Chairpersons - James B. Borgerson, GM Powertrain

<i>Time</i>	<i>Paper No.</i>	<i>Title</i>
8:00 a.m.	ORAL ONLY	How Many Gears is the Right Number? <i>Peter Tenberge, Ruhr University Bochum</i>
8:30 a.m.	ORAL ONLY	Development on 8 Speed <i>Berthold Martin, James E. Adams, Chrysler Group LLC</i>
9:00 a.m.	ORAL ONLY	Development of a new 10-Speed Dual Clutch Transmission <i>Kiran Govindswamy, FEV Inc.</i>

9:30 a.m. **ORAL ONLY** **Chinese Front Wheel Drive 8 Speed Automatic**
Shaun Mephram, Ricardo Inc.
10:00 a.m. **BREAK**

Thursday, October 18

New Developments - Transmission and Driveline Efficiency Improvements: Where will the Next 5% of Fuel Economy Come From? - Part 2

Session Code: **TRANS4**

Room Mackinac

Session Time: **10:30 a.m.**

Chairpersons - *Philip G. Gott, IHS*

Time	Paper No.	Title
10:30 a.m.	ORAL ONLY	Dual Mode CVT <i>Hirofumi Michioka, JATCO, Ltd.</i>
11:00 a.m.	ORAL ONLY	Transmission Efficiency Developments <i>Keith Martin, BorgWarner Inc.</i>
11:30 a.m.	ORAL ONLY	Transmission Control Challenges including Hybridization (Stop/Start) and More Speeds <i>Hong Jiang, Ford Motor Co.</i>

Thursday, October 18

A Look into the Future: Driveline Standardization & for Efficiency Improvement and Cost Reduction

Session Code: **TRANS8**

Room Mackinac

Session Time: **1:00 p.m.**

Organizers - *Michael P. Kirk, Chrysler Group LLC; Andreas E. Perakes, Ford Motor Co.*

Moderators - *Thomas D'Anna, FEV Inc.*

Panelists - *Robert Genway-Haden, GKN Driveline; John M. Jaloszynski, JTEKT; Seth Metzger, Dana Holding Corporation; Joseph Mueller, Magna Powertrain;*

Thursday, October 18

New Developments - Transmission and Driveline Efficiency Improvements: Where will the Next 5% of Fuel Economy Come From? - Part 3

Session Code: **TRANS5**

Room Mackinac

Session Time: **2:00 p.m.**

Chairpersons - *Chunhao Lee, General Motors LLC*

Time	Paper No.	Title
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1:30 p.m.	ORAL ONLY	<i>You Can't Count It Twice, But You'd Better Make It Count! 2 Transmission Efficiency Improvements</i> <i>Jeff Hemphill, Schaeffler Group USA Inc.</i>
2:00 p.m.	ORAL ONLY	<i>The Transmission Systems of Tomorrow, Available Today</i> <i>Hendrik Pecceu, TREMEC</i>
2:30 p.m.	ORAL ONLY	<i>All-Wheel Drive Efficiency Developments</i> <i>John Barlage, BorgWarner</i>
3:00 p.m.		BREAK

Thursday, October 18

Competition of the Future Panel Discussion

Session Code: **TRANS6**

Room Mackinac

Session Time: **4:00 p.m.**

Moderators - *Berthold Martin, Chrysler Group LLC*

Panelists - *Mircea Gradu, Chrysler Group LLC; Michael Harpster, GM R&D Center; Shinji Morihoro, JATCO, Ltd.;
Steven G. Thomas, Ford Motor Co.;*