

# The Eye and The Auto World Congress

THURSDAY, June 23

7:00AM-4:00PM

**OPERATOR FACTORS: driver visual assessment, licensing, vision impairment (among other subjects)**

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7:00AM	<b>Continental Breakfast</b>	
A. 7:45-8:00AM	<b>WELCOME &amp; INTRODUCTION</b>	Keith Cooley, Michigan <i>Chair, Research Committee</i>
	<b>Moderator: Karlene Ball PhD</b>	
B. 8:00-8:30AM	Congress Introduction – Goals, Light, Vision, Problems	Philip C Hessburg MD, Michigan <i>President, Detroit Institute of Ophthalmology</i>
C. 8:30-9:00AM	Driver Vision, Driver Performance, Driver Behavior and Safety	Leonard Evans DPhil, Michigan <i>Science Serving Society</i>
D. 9:00-9:30AM	Evaluating the Impact of a Driving Assessment Clinic on Older Drivers	Jennifer Elgin OTR/L, Alabama <i>University of Alabama at Birmingham</i>
E. 9:30-10:00AM	<b>BREAK</b>	
	<b>Moderator: Sheila West PhD</b>	
F. 10:00-10:30AM	Investigation of the Interaction between Visual Impairment, Age and Multi-tasking on Driving	Joanne Wood PhD, Australia <i>Queensland University of Technology</i>
	Performance Measured on a Closed Road Circuit	
G. 10:30-11:00AM	What Role Does Aging Really Play in a Driver's Vision?	Cynthia Owsley PhD, Alabama <i>University of Alabama at Birmingham</i>
H. 11:00-11:30AM Mass.	A Modified Prolate Intraocular Lens Implant  To Improve Functional Vision and Driving Safety	Robert Kershner MD, MS, FACS,  <i>John A Moran Eye Center, University of Utah School of Medicine</i>
I. 11:30AM-12:00PM	Vision and Changes in Driving Behavior of Older Persons	Sheila West PhD, Maryland <i>Johns Hopkins University</i>
J. 12:00-1:00PM	<b>LUNCH</b>	
	<b>Moderator: Joanne Wood PhD</b>	
K. 1:00-1:30PM	Extending Safe Driving for Older Adults	Karlene Ball PhD, Alabama <i>University of Alabama at Birmingham</i>
L. 1:30-2:00PM	Visual Fields and Driving	Morris Odell FACLM, Australia <i>Victorian Institute of Forensic Medicine</i>
M. 2:00-2:30PM Netherlands	The Straylight Basis of Disability Glare,  Assessment and Origins <i>Research</i>	Tom van den Berg PhD,  <i>Netherlands Ophthalmic Institute</i>
N. 2:30-3:00PM	<b>BREAK</b>	
	<b>Moderator: Cynthia Owsley PhD</b>	
O. 3:00-3:30PM	Visual Field Defects and the Risk of Motor	Gerald McGwin PhD, Alabama

**PROGRAM**

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PCH/ck,

Vehicle Collisions Among Patients with Glaucoma

*University of Alabama at  
Birmingham*

P. 3:30-4:00PM

**Panel Discussion**

**The Eye and The Auto World Congress**

**FRIDAY, June 24**

**7:15AM-4:00PM**

**VEHICLE FACTORS: blind spot elimination, crash avoidance, glare, ergonomic and auto design (among other subjects)**

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7:15AM

**Continental Breakfast**

**Moderator: David Miller MD**

Q. 8:00-8:30AM

Future Lighting Trends

Jeff Erion, Michigan  
*Visteon (retired)*

R. 8:30-9:00AM

The Future of Night Vision Systems:  
A Human Factors Perspective

Omer Tsimhoni PhD, Michigan  
*University of Michigan  
Transportation Research  
Institute (UMTRI)*

S. 9:00-9:30AM  
York

Lighting and Driver Visual Information

John Van Derlofske PhD, New  
*Rensselaer Polytechnic Institute*

T. 9:30-10:00AM

**BREAK**

U. 10:00-10:30AM

**Moderator: John Van Derlofske PhD**

What Do You Know About the Headlights  
Of Your Car?

Kare Rumar PhD, Sweden  
*University of Michigan  
Transportation Research  
Institute (UMTRI)*

V. 10:30-11:00AM  
DC

The Eyes of the Auto: A Safety Checkup

Mike Perel MSIE, Washington  
*National Highway Traffic Safety  
Administration (NHTSA)*

W. 11:00-11:30AM

High Intensity Discharge (HID): How More Light  
On The Road Improves Driver Safety

Mike Tucker, New Hampshire  
*OSRAM Sylvania*

X. 11:30AM-1:00PM

**LUNCH**

Y. 1:00-1:30PM  
Michigan

**Moderator: Eli Peli OD**

A Candidate Headlamp Rating System

Michael Flannagan PhD,  
*University of Michigan  
Transportation Research  
Institute (UMTRI)*

Z. 1:30-2:00PM

New Devices to Prevent Solar and Headlight Glare

David Miller MD, Massachusetts  
*Harvard Medical School*

Paper presentations consist of 20 minute talk with 10 minute discussion period.

		Ernesto Blanco PhD, Massachusetts <i>Massachusetts Institute of Technology</i>
AA. 2:00-2:30PM	Are White Instruments Any Good? The Ophthalmologists Point of View	Stefano Pasini MD, Italy <i>Casa di Cura 'Villa Fortunata Toniolo'</i>
BB. 2:30-3:00PM	<b>BREAK</b>	
CC. 3:00-3:30PM	<b>Moderator: Michael Flannagan PhD</b> Active Safety: Using Electronic Eyes to Reduce Motor Vehicle Fatalities	Robert Beaver, Michigan Continental Teves
DD. 3:30-4:00PM	From Vision to Visualization: How do Image Processing Techniques Help Driving?	Tsuan Chen, Pennsylvania <i>Carnegie Mellon University</i>

## **The Eye and The Auto World Congress**

**SATURDAY, June 25**

**7:15AM-2:30PM**

**ENVIRONMENTAL FACTORS: safer highways, road signs, socio-economics of driving (among other subjects)**

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7:15AM	<b>Continental Breakfast</b> <b>Moderator: Alex Chaparro PhD</b>	
EE. 8:00-8:30AM	AAA Road Improvement Demonstration Program	Jeff Bagdade PE, Michigan <i>AAA Michigan</i>
FF. 8:30-9:00AM Massachusetts <i>Institute</i>	Biopic Drivers in the USA: Survey of Driving Habits and Telescope Use	Alex Bowers PhD, <i>Schepens Eye Research</i>  <i>Harvard Medical School</i>
GG. 9:00-9:30AM <i>(Retired)</i>	Accident Free Driving – Saving Lives by Predicting the Road Ahead	Dave McLellan, Michigan <i>GM Corvette Engineering</i>  Joseph Ziomek, Florida <i>JFZ &amp; Associates</i>
HH. 9:30-10:00AM	<b>BREAK</b>	
II. 10:00-10:30AM Massachusetts	<b>Moderator: Cynthia Owsley PhD</b> Elderly Licensure Laws and  Motor Vehicle Fatalities	David Grabowski PhD,  <i>Harvard Medical School</i>
JJ. 10:30-11:00AM	Driving with Low Vision	Eli Peli MSc OD, Massachusetts <i>Schepens Eye Research Institute, Harvard Medical School</i>
KK. 11:00AM-11:30AM	Predicting Driving Multi-tasking Performance from Measures of Visual and Cognitive Function	Alex Chaparro PhD, Kansas <i>Wichita State University</i>
LL. 11:30AM-12:00PM	Aging Driver: Storm in a Teacup?	Richard Tay PhD, Canada <i>University of Calgary</i>

Paper presentations consist of 20 minute talk with 10 minute discussion period.

**PROGRAM**  
06/20/05

PCH/ck,

MM. 12:00-1:00PM

**LUNCH**

NN. 1:00-1:30PM

**Moderator: Philip C Hessburg MD**  
Instrument Panels by an Ophthalmologist

Stefano Pasini MD, Italy  
*Casa di Cura 'Villa Fortunata  
Toniolo'*

OO. 1:30-2:30PM

Panel Discussion