

Preventing the number one cause of automobile crashes:

Driver safety through human
factors science



Human Factors and
Ergonomics Society



American Psychological Association

THE FEDERATION OF
BEHAVIORAL, PSYCHOLOGICAL,
AND COGNITIVE SCIENCES **FBPCS**

What is Human Factors Science?

- Designing for human use
 - Understanding needs, capabilities, and limitations of users
- Multidisciplinary field
 - Psychology, engineering, biomechanics...
- Scientific knowledge of human behavior for
 - designing human-machine systems
 - minimizing human error
 - developing instructions
- The ultimate goal
 - to ensure safe and effective human-system interactions

Today's focus:

Human Factors Science related to
Driver Safety

Agenda

12:05-12:15	Paula Sind-Prunier	Overview
12:15-12:35	Tom Dingus	Crash Risks
12:35-12:55	John Lee	Driver Distraction
12:55-1:15	Don Fisher	Training
1:15-1:25	Paula Sind-Prunier	Summary
1:25-2:00	Audience	Discussion

Remarks will be videotaped