MILITARY AND EMERGENCY VEHICLES SAFETY TOPTEC REGISTRATION FORM

Register by Friday, August 31, 2001 for the early registration fee of $795; SAE Mbrs. $695; U.S. Dollars. After Friday, August 31, 2001, TOPTEC registration fee is $845; SAE Mbrs. $745; U.S. Dollars. This fee will include both days' workshops, refreshment breaks, lunches, reception, and handout materials.

My Preferred Mailing Address is: 

BUSINESS ADDRESS  

SURNAME FIRST NAME  

JOB TITLE  

COMPANY DIVISION/DEPARTMENT  

COMPANY NAME  

STREET ADDRESS MAIL STOP IF APPLICABLE  

CITY  STATE/PROVINCE ZIP+4 OR POSTAL CODE  

COUNTRY (IF NOT USA)  

TELEPHONE NUMBER FACSIMILE NUMBER  

Payment enclosed $  

BILL my credit card ($10 minimum)  

CARD NUMBER EXP. DATE  

Special Note: If you have a disability that may impact your participation in this activity, please call us regarding your needs at least two weeks prior to the date of the event. Prior notification is necessary in order for us to address your needs.

The Society of Automotive Engineers reserves the right to change speakers or cancel programs due to circumstances beyond its control, and cannot be held responsible for costs incurred other than the registration fee. If you are planning to attend without registering in advance, please call Professional Development at (724) 772-7148 for the latest program information.

Return To: DEPT. 003/1117/5061  

SAE  

400 COMMONWEALTH DRIVE  

WARRENDALE PA 15096-0001 USA  

or CALL: 1-800-854-4260 or FAX: 1-724-776-4955

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Sponsored by: SAE Continuing Professional Development Group

International Military and Emergency Services Experts from countries such as Australia, Netherlands, United Kingdom, and the United States will share their expertise!

Register by Friday, August 31 for Special Early Bird Fee!

September 11–12, 2001

Tempe, Arizona

Embassy Suites Hotel

A two-day TOPical, TECHnical workshop (TOPTEC®) presenting the latest developments and on-going research in Military and Emergency Vehicles Safety, including:

✦ Accident Analysis  
✦ Risk Management Strategies  
✦ Training Programs  
✦ Legal Perspectives  
✦ Biomechanics  
✦ Ergonomics/Human Factors  
✦ Mine Protected Vehicles/Heavy Tactical Vehicles  
✦ Crashworthiness

PD2001TT03 - C P S E

01-13/4
Experience Developing and Applying Performance
Learn of methods for setting performance evaluation and testing criteria
Military or other specialist service vehicle manufacturer
Vehicle Mine Protection in the Netherlands
– Examine the crashworthiness of general service field vehicles, personnel carriers and ambulance under a variety of conditions.
You should attend if you are a:
Military, police, fire or EMS personnel involved in vehicle specification, procurement, evaluation or design
Specialist vehicle design engineer
Driver trainer
Safety specialist in crashworthiness
Crash investigator
Vehicle safety technician
Service vehicle manager (military, police, fire or EMS)
Military or other specialist service vehicle manufacturer
Safety systems manufacturer
Occupational health and safety professionals involved in specialist vehicles
University researcher, faculty, or student
By attending this TOPTEC, you will:
Learn of the latest international developments relating to military, police, fire and EMS vehicle safety
Apply new approaches for driver training, accident investigations, prevention of incidents and occupant protection and safety involving service vehicles
Learn of methods for developing and specifying performance requirements for vehicle procurement
Learn of methods for setting performance evaluation and testing criteria for vehicle acceptance
Develop international networks in the field
Receive an educational reference book of the conference proceedings based on the speakers’ presentations.

Tour of Simula, Inc. – Phoenix, AZ
Monday, September 10, 2001
1:00 pm – 1:30 pm Tour Registration and Check In at Embassy Suites
1:30 pm Bus Departs Embassy Suites Hotel
2:00 pm Bus Arrives at Simula Technologies Inc.
2:00 pm – 4:30 pm Tour of Simula
6:30 pm Bus Departs for Embassy Suites

A special tour has been arranged of Simula, Inc. on Monday afternoon, September 10, 2001. Simula designs and manufactures occupant safety systems and devices engineered to support human life in a wide range of air, ground and sea transportation vehicles. Products and technologies include inflatable restraint systems, energy absorbing seating systems, advanced polymer materials, transparent and opaque armor products, personnel protective equipment and parachutes and crash sensors. Tour participants will visit Simula’s test facility and receive a comprehensive explanation of the testing process including the logistics involved, data collection and interpretation of data results. The tour will include the following facility areas: indoor and outdoor drop testing, high-speed sled testing; and ballistic testing.

Transportation to the tour will be provided. Tour registration will be on a first-come, first-served basis and will be limited to the first 40 people to register. Please indicate your intention to attend the tour on the TOPTEC Registration Form or to the SAE Registrar when you phone in your TOPTEC registration.

Registration & Fees
Register before Friday, August 31, 2001 for the early registration fee of $795.
SAE Members $695. After Friday, August 31, 2001, TOPTEC registration fee is $895. SAE members must include refreshment breaks. Lunch on Tuesday on Thursday, Wednesday, reception, and handicap materials.
To register use the attached Registration Form or call the SAE Professional Development Division at (770) 712-7168. Telephone reservations must be guaranteed to a credit card. Registration is limited. Those desiring to enroll after Friday, August 31, 2001 should first verify space is available by calling the above telephone number.
Due to the program format and the nature of the information presented, handicap materials will only be available to registered attendees. This enables all information discussed to be transmitted in the context in which it is presented. Requests for handicap materials by non-registered will not be considered.

Hotel Accommodations & Conference Site
Embassy Suites Hotel
4400 South Rural Road
Tempe, Arizona 85282
Phone (480) 897-7444
SAE has reserved a block of rooms for attendees at the special rate of $119 plus tax per night, single or double occupancy. Be sure to mention the SAE TOPTEC if you make reservations by phone. The block of rooms reserved will only be held until Tuesday, August 21, 2001. Please make your reservation prior to this date to assure availability.

TOPTEC Series
This TOPTEC is one of a series of technical symposia designed to provide a forum to discuss key topics in industry and government today. When attending one of these TOPTECs, expect a smaller audience. This enables more interaction with the invited speakers. Registration is deliberately limited.
If you would like to participate as a sponsor or an organizer for a future TOPTEC, contact Michael Mahaney, TOPTEC Manager, for more information at (724) 772-8524 or via e-mail at mmahaney@sae.org.

Military and Emergency Vehicles Safety TOPTEC®

TOPTEC AGENDA

DAY 1 – Tuesday, September 11, 2001
7:00 am Registration & Check In
8:00 am Welcome and Introduction
SESSION: MILITARY VEHICLE SAFETY DEVELOPMENTS
8:45 am Smart Truck – A Technology Tool Box for Personal Safety – David Sims, Research and Development Engineer, U.S. Army Center TACOM, National Automotive Center
9:15 am Road Safety in the UK Armed Forces –Lt Col Michael Runt, 101st Forward Operating Area, Defence Logistics Organisation, DGSS (LAND)
9:45 am Enhancing Heavy Truck Crew Cab Safety – Marvin K. Richards, Senior Staff Engineer, Simula Safety Systems, Inc., Applied Technology Division and David A. Shellagger, Project Engineer, Oshkosh Truck, Defense Engineering
10:15 am Refurbishment Break
10:30 am Using Computer Simulation for Occupant Safety in Special Purpose Vehicles – Bill Rockwell, Senior Marketing and Sales, TND Madyno North America
11:00 am Using Computer Simulation for Occupant Safety in Special Purpose Vehicles – Rupesh Ratha, Partner, Monash University, Department of Civil Engineering
11:30 am Eye Injuries from Night Vision Goggle Impact Due to Airbag Loading – Stefan Duma, Assistant Professor, Virginia Tech, Mechanical Engineering
12:00 pm Lunch
1:15 pm Testing for Impact Injury Risk for Drivers Wearing NVGs – Georg Rechnitzer, Senior Research Fellow, Monash University, Accident Research Centre
1:45 pm Crashworthiness Developments in the Australian Army – Shane Richardons, Senior Researcher, Project Engineer, Land Engineering Agency, Monash University
2:15 pm Vehicle Mine Protection in the Netherlands – Ton A. Verhoeven, Ing. and Piet-Jan Leerden, Trn, TNO Prime Masts Laboratory, Weapons and Weapon Platforms, Group Technology Platform
2:45 pm Session Break
SESSION: POLICE VEHICLES SAFETY
3:00 pm Advanced Systems of Police Vehicles – Commander Gary Jamerson, Victoria Police Force
3:30 pm Police Vehicles – TDI
4:00 pm Emergency Vehicle Crashers: The Officer as the Victim – Herbert Patman, Denver Police Department
SESSION: EMERGENCY VEHICLE SAFETY RESEARCH
4:30 pm An Overview of Current Status and History – Nadine Levick, MD MPH, Assistant Professor, Columbia University
5:00 pm Panel Session: International Emergency Vehicle Design
6:00 pm The European Perspective – John Wilby, Director, Lifesnet EMS International Ltd.
6:00 pm The Australian Perspective and Trauma Systems Operations and Management – Harry Rangihuatau Dansey, Auckland and Stanhope Hospitals Trauma Services

DAY 2 – Wednesday, September 12, 2001
9:00 am Session Break
9:30 am The REAL WORLD – BALANCE OF RISK IN EMERGENCY VEHICLE TRANSPORT
Emergency Medical Services Vehicles: Collisions and Fatalities – Brian Maguire, Associate Director, University of Maryland, Baltimore County, Department of Emergency Health Services
SESSION: INTERNATIONAL CONSIDERATIONS REGARDING EMS STANDARDS
9:00 am Comparisons of Safety Standards and Their Development – Ben Bourgoff, President, Ferno Washington International
SESSION: OCCUPANT PROTECTION ISSUES IN EMERGENCY VEHICLES
9:30 am Crashworthiness of Emergency Vehicles and Special Safety Issues Pertaining to the EMS Environment – Nadine Levick, MD MPH, Assistant Professor, Columbia University
Child Passengers in Emergency Vehicles – Bob Wodill II, Director of EMS Systems, Emergency Medical Services for Children National Resource Center
Renewal Break
Technical Challenges in Conducting Ambulance Vehicle Safety Testing – Alan Blatt, Vice President, Research and Transportation, Veridian
SESSION: ALIEd EMS SUPPORT ISSUES
11:00 am Crash Investigation for Emergency Vehicles – Ron Bents, Vice President, Dynamic Science Inc.
11:20 am Fire Vehicle Safety Enhancement – TBD, VIFS
Evaluation of Emergency Service Vehicle Occupant Safety – Kimberly Dorrer, Safety and Occupational Health Specialist and Paul E. Moore, Safety Engineer, NIOSH, Division of Safety Research
Lunch
SESSION: TRAINING SIMULATION AND MODELING
1:20 pm Emergency Vehicle Operator Course: The People Perspective – Enhancing Vehicle Safety – Gary Oddell, Retired from NHTSA EMS Division
Driver Training Simulators – TBD
Innovation in EMS Vehicle Occupant Protection and Safety – Buzz Sanderson, Senior Account Manager, ESI Group
SESSION: SYSTEMS INFRASTRUCTURE AND EMERGENCY VEHICLE TRANSPORT SAFETY – THE OVERSEEN BODY
2:00 pm The Perspectives, Insurance Responsibility – W.H. Bill Leonard, Executive Vice President, Medical Transport Insurance Professionals
Ambulance Design/Procure/Conformance Issues – TBD
Renewal Break
SESSION: PANEL: FUTURE DIRECTIONS AND WHO’S RESPONSIBILITY IS IT?
3:40 pm Nadine Levick, MD MPH, Assistant Professor, Columbia University
Day Two Speakers
4:30 pm TOPTEC Concludes