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REGISTRATION FORM

**If you do not have access to a fax machine,
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Wendy Bevan
MIRA Ltd
Watling Street, Nuneaton CV10 0TU, UK

Please complete the form below in BLOCK CAPITALS.

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Title *(Prof, Dr, Mr, Mrs, Ms)*

Forename

Surname

Job Title

Organisation

Mailing Address

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Seminar includes Lunch & Refreshments
and CD of day's proceedings

**THIS SEMINAR IS
FREE OF CHARGE**

**PLEASE RETURN
COMPLETED FORMS
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12 APRIL 2004**

CONTACT

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INVITATION

**Passive
Training Workshop**
19 APRIL 2004
NUNEATON . UK



www.trainsafe.net

BOMBARDIER
Experience the Extraordinary

MIRA

9:00 **Registration**

Introduction

**Rail Interior
Crashworthiness**

**Rail Interior
Specifications, Test
Methods and Protocols**

Coffee Break

Dynamic Sled Testing

Buffet Lunch

**Occupant Protection
and Injury Criteria**

Tea Break

**Design Methods and
Computer Modelling**

4:30 **Q&A Session**

The purpose of this training event is to raise the current level of awareness and understanding within the industry regarding the mechanics of occupant injury and the measurement of injury criteria within a rail environment.

- ◆ Objective and Agenda of training course
- ◆ Evolution of interior standards Europe and UK
- ◆ Design specifications
- ◆ Quasi-static load tests
- ◆ Dynamic integrity and occupant protection tests
- ◆ Test devices
- ◆ Instrumentation and high-speed images
- ◆ Test fixtures
- ◆ Feature integrity analysis and design
- ◆ Construction and instrumentation of test devices
- ◆ Injury criteria for rail occupants
- ◆ Injury static and dynamic assessment techniques
- ◆ Occupant protection analysis and design
- ◆ Finite element and MADYMO computer modelling techniques
- ◆ Review