

# AAAM/MUARC Course – Teaching Faculty

## Biomechanics of Crash Injury and Vehicle Crashworthiness

*11 – 12 October 2007 at Holden Headquarters  
191 Salmon Street, Port Melbourne, Victoria, Australia.*

### Day 1 – Injury Biomechanics

| Time        | Topic                                     | Presenter               |
|-------------|---|-------------------------|
| 08.30-09.00 | Introduction                              | Brian Fildes, PhD       |
| 09.00-10.00 | Skull & Brain Injury Biomechanics         | King Yang PhD           |
| 10.00-10.15 | Morning Break                             |                         |
| 10.15-11.15 | Cervical Spine Injury Biomechanics        | Frank Pintar, PhD       |
| 11.15-12.15 | Thoracic Injury Biomechanics              | Joel Stitzel, PhD       |
| 12.15-13.15 | Lunch                                     |                         |
| 13.15-14.15 | Abdominal Injury Biomechanics             | Narayan Yoganandan, PhD |
| 14.15-15.15 | Biomechanics of the Extremities           | James Funk, PhD         |
| 15.15-15.30 | Afternoon Break                           |                         |
| 15.30-16.30 | Causes of Death in Motor Vehicle Crashes. | Sridhar Natarajan MD    |

### Day 2 – Crash Studies & Countermeasures

| Time        | Topic                                    | Presenter              |
|-------------|--|------------------------|
| 08.30-09.30 | Real World Crash Investigations          | Clay Gabler, PhD       |
| 09.30-10.30 | Crash Types & Associated Injury Patterns | Brian Fildes, PhD      |
| 10.30-10.45 | Morning Break                            |                        |
| 10.45-11.45 | Vulnerable Road Users - Children         | Kristy Arbogast, PhD   |
| 11.45-12.45 | Vulnerable Road Users - Older Drivers    | Jeffrey Augenstein, MD |
| 12.45-13.45 | Lunch                                    |                        |
| 13.45-14.45 | Restraints: Present & Future             | Ola Bostrom, PhD       |
| 14.45-15.45 | Side-Impact and rollover                 | Kennerly Digges, PhD   |
| 15.45-16.00 | Afternoon Break                          |                        |
| 16.00-16.30 | Conclusions                              | Brian Fildes, PhD      |