



25-27 April 2018

**IRCOBI ASIA 2018 - INDIA**  
Creating leaders in injury prevention and control



L&amp;T LDA, Lonavala

## PROGRAM SCHEDULE

**DAY 1: 25 April 2018**

**Theme: Fundamentals of Crash Research**

09:00 to 09:30	Inauguration	
09:30 to 11:00	Introduction to Injury Biomechanics: Dr. Kai-Uwe Schmitt and Dr. Ciaran Simms	
11:00 to 11:30	Tea Break	
11:30 to 13:00	Technical Paper Session 1: Indian Accident Analysis	
13:00 to 14:00	Lunch Break	
14:00 to 16:00	AAAM - Abbreviated Injury Scale (AIS): Ms. Kathy Cookman	Crash Investigation: Mr. Ravishankar Rajaraman
16:00 to 16:30	Tea Break	
16:30 to 18:00	AAAM - Abbreviated Injury Scale (AIS): (Cont.) Ms. Kathy Cookman	Accident Research Competition: Technical Paper Presentations
18:30 to 20:00	Welcome Reception	

**DAY 2: 26 April 2018**

**Theme: Vulnerable Road Users**

09:00 to 09:45	Keynote Speech by Prof. Hermann Steffan	
10:00 to 11:00	Technical Paper Session 2: Vulnerable Road Users	
11:00 to 11:30	Tea Break	
11:30 to 13:00	Motorcycle Safety: Dr. Sudipto Mukherjee	Paediatric Biomechanics and Child Safety: Dr. Aditya Belwadi and Dr. Farid Bendjellal
13:00 to 14:30	Lunch Break	
14:30 to 16:00	Motorcycle Safety: (Repeat) Dr. Sudipto Mukherjee	Paediatric Biomechanics and Child Safety: (Repeat) Dr. Aditya Belwadi and Dr. Farid Bendjellal
16:00 to 16:30	Tea Break	
16:30 to 18:00	Technical Paper Session 3: Vulnerable Road Users	
19:30	Conference Dinner	

**DAY 3: 27 April 2018**

**Theme: Modelling/Simulation/Dummy Tech.**

09:00 to 10:30	Human Body Modelling: Dr. Karin Brodin and Dr. Johan Davidsson
10:30 to 11:00	Tea Break
11:00 to 12:30	Technical Paper Session 4: Modelling / Simulation / Dummy Technology
12:30 to 13:00	Awards and Closing Session
13:00 to 14:00	Lunch Break

## IRCOBI ASIA 2018: PROGRAM SCHEDULE

### PAPER SESSION 1: INDIAN CRASH DATA ANALYSIS

Paper ID	Paper Title/ Authors
IRC-A-18-10	Characteristics of passenger car front under-ride crashes in India involving impact to rear-side of heavy vehicles <i>M Patel, V Chinnadurai</i>
IRC-A-18-11	Scientific analysis of road accident in India by SOM <i>C Pal, S Hirayama, H Thierry K Vimalathithan N Rangari, M Jeyabharath</i>
IRC-A-18-12	Characteristics of Passenger car rollovers on Indian Roads <i>M Takate, V Bhuse</i>
IRC-A-18-13	Active and passive safety passenger car technologies: Potentials to save lives in India <i>P Puthan, P Thalya, N Lubbe</i>
IRC-A-18-14	Contributory factors analysis for road traffic collisions on the basis of on-site accident data collected from NH-8 (India) <i>K Singh, A Chawla, S Mukherjee</i>
IRC-A-18-15	Road traffic fatalities in India Evaluation of injury severity fatality risk and quality of autopsy reports <i>A Jayaraman, B Sundaram, A Hassan</i>

### PAPER SESSION 2: VULNERABLE ROAD USERS (4)

Paper ID	Paper Title
IRC-A-18-16	Characteristics of Crashes between Motorised Two Wheelers and Passenger Cars in India <i>R Govardhan, J Soni, S Erande, S Nair, M Patel</i>
IRC-A-18-17	Injuries Sustained By Riders & Pillions of Motorized Two Wheelers in India <i>M Painter, S Sonawane, M Patel</i>
IRC-A-18-18	An In-depth study of Injury risks due to Cargo Bay Protrusions to Motorised Two-wheeler Riders <i>S Angamuthu, K Sajeev</i>
IRC-A-18-19	What are Dangerous Car-to-Two-Wheeler Scenarios in China? <i>B Sui, N Lubbe, H Wu, A Larsson</i>

### PAPER SESSION 3: VULNERABLE ROAD USERS (6)

Paper ID	Paper Title
IRC-A-18-20	Influence of head impact locations in car-to-pedestrian accidents on pedestrian head injury <i>C Ding, N Lubbe, S Li, S Zhou</i>
IRC-A-18-21	Fatality risk of vulnerable road users being run over by trucks and buses in Ahmedabad and Kolkata cities <i>A Jayaraman, S Baladaniya, A Hassan</i>
IRC-A-18-22	Potential of improved passenger car front end design for head protection to reduce serious injuries of Vulnerable Road Users in India <i>J Shaikh, N Lubbe</i>
IRC-A-18-23	Neck Influence on Head Kinematics and Implications for Helmet Evaluation and Brain Injury <i>M Begonia, F Pintar, N Yoganandan</i>
IRC-A-18-24	Anti-lock Braking System on Bicycles: A Pilot Study on Influence on Stability <i>A Linder, G Sörensen A Silvano</i>
IRC-A-18-25	An inverse method to reduce pedestrian-ground contact injuries <i>S Shang, G Li, D Otte, C Simms</i>

## IRCOBI ASIA 2018: PROGRAM SCHEDULE

### PAPER SESSION 4: MODELLING / SIMULATION / DUMMY TECHNOLOGY (6)

Paper ID	Paper Title
IRC-A-18-26	Computational Investigation on Rider Kinematics of Electric Two-wheel Vehicles in Collision with Car <i>B Nie, C Koelper, Y Huang, Q Zhou</i>
IRC-A-18-27	Development of the FLEX-PLI GTR Regulated Borderline© FE model <i>P Mohan, C Shah</i>
IRC-A-18-28	Human Cervical Spine Responses under Vertical Dynamic Loading <i>N Yoganandan, N DeVogel, S Chirvi, F Pintar, J Baisden, A Banerjee, L Voo</i>
IRC-A-18-29	Cervical Spine Segmental Loads from Frontal Impact using a Validated Finite Element Model <i>F Meyer, N Yoganandan, J Humm, M Schlick, R Willinger</i>
IRC-A-18-30	Lumbar Spinal Column Injuries and Loads from Inferior to Superior Impact: Applications to Military and Automotive Environments <i>N Yoganandan, J Zhang, J Moore, F Pintar, J Baisden</i>
IRC-A-18-31	Contribution of forces and morphology to segmental rotation during combined loading of cervical spine: investigation using parametric finite element models <i>J John, N Yognandan, M Arun, G Kumar</i>