12th INTERNATIONAL MOTORCYCLE CONFERENCE

1.-2. October 2018 in Cologne

Program

THE AGENDA FEATURES

International Expert Contributions Two days of international expert contributions regarding the present state of motorcycle safety.

Round Table Discussion **"The Role of PTW in Future Traffic"**

Participating organisations/associations:
- The Motorcycle Industry in Europe (ACEM)
- Connected Motorcycle Consortium (CMC)
- European Commission (DG Mobility & Transport)
- European Transport Safety Council (ETSC)
- International Motorcycling Federation (FIM)
- Motorcycle Safety Foundation (MSF)

Get-Together We invite you to a special event at the end of the first conference day. During the joint dinner it is enough time to expand on the topics of motorcycle safety.

INTERMOT A further highlight is the exclusive visit of the International Motorcylce, Scooter and E-Bike Fair INTERMOT 2018 prior to the official opening.

Simultaneous translation (English/German, German/English) will be provided during the conference.

ifz

01.10.2018 1st Conference Day / 1. Konferenztag

10:00 **Opening and Welcome / Eröffnung und Begrüßung**
Institut für Zweiradsicherheit (ifz), Germany

10:05 **Opening and Welcome / Eröffnung und Begrüßung**
Tim Buche, Motorcycle Safety Foundation (MSF), USA

I / Session 1 Chair:
Prof. Andre Seeck, Bundesanstalt für Straßenwesen (BASt), Germany

10:15 **Active motorcycle safety with Rider Assistance Systems – BASt research**
Aktive Motorradsicherheit durch Fahrerassistenz – Forschung der BASt
Julia Bräutigam, Bundesanstalt für Straßenwesen (BASt), Germany

10:40 **Motorcycle Safety in Germany: Attitudes and Behavior with special view on Advanced Rider Assistance Systems for Powered Two Wheelers**
Motorradsicherheit in Deutschland: Einstellungen und Verhaltensweisen mit speziellem Blick auf Fahrer-Assistenzsysteme an Krafträdern
André Vallese, Institut für Zweiradsicherheit (ifz), Germany

11:05 **Development of a Surrogate Motorcycle Soft Target for Use in ADAS Testing**
Entwicklung eines Motorrad-Modells für Tests mit Fahrer-Assistenzsystemen
John Lenkeit, Dynamic Research Inc., USA

11:30 **Safety Potential Assessment Of Cornering ABS Systems Based On Riding Tests**
Begutachtung des Sicherheitspotenzials von Kurven-ABS-Systemen basierend auf Praxistests
Michael Gruber, Vehicle Safety Institute, Graz University of Technology, Austria

11:55 **Limits of Autonomous Emergency Brake Systems for Powered Two-Wheelers – An Expert Study**
Einsatzgrenzen automatischer Notbremssysteme für motorisierte Zweiräder – eine Expertenstudie
Nora Leona Merkel, Technische Universität Darmstadt, Institute of Automotive Engineering (FZD), Germany

12:20 **The Influence of Rider Motion on Motorcycles and Riding Simulators**
Einfluss der Fahrerbewegung auf Realfahrzeug und Motorradsimulator
Raphael Pleß, Technische Universität Darmstadt, Institute of Automotive Engineering (FZD), Germany

12:45 **Lunch Break / Mittagspause**

I / Session 2 Chair:
Prof. Dietmar Otte, Medizinische Hochschule Hannover, Germany

13:45 **Preventing Lateral Sliding in Curves**
Verhinderung seitlichen Rutschens in Kurven
Matthias Klews, Robert Bosch GmbH, Germany

14:10 **Why automatization is the future of rider assistance systems – Intervene before a critical situation.**
Warum Automatisierung die Zukunft für Assistenzsysteme ist – Intervenieren, bevor es kritisch wird.
Stefan Hans, BMW Motorrad, Germany; Markus Köbe, Technische Universität Dresden, Germany

14:40 **CMC-Roadmap: Motorcycles on track to connectivity & Evaluation of the Potential of C-ITS for Motorcycles on the Basis of Real Accidents**
CMC-Roadmap: Das Motorrad auf dem Weg zur Konnektivität & Bewertung des Potentials von C-ITS für motorisierte Zweiräder auf Basis von Realunfalldaten
Christian Massong, BMW Motorrad, Germany
Marcus Petzold, Verkehrsunfallforschung an der TU Dresden (VUFO), Germany

15:10 **Powered Two Wheeler HMI Design For Cooperative Intelligent Transport Systems (C-ITS)**
Motorrad HMI Design für Cooperative Intelligent Transport Systems (C-ITS)
Sebastian Will, Würzburg Institute for Traffic Sciences, Germany

15:35 **Coffee Break / Kaffeepause**

Round Table Discussion "The Role of PTW in Future Traffic"

15:50

Antonio Perlot	The Motorcycle Industry in Europe (ACEM)
Toshiyuki Asami	Connected Motorcycle Consortium (CMC)
Casto Lopez Benitez	European Commission (DG Mobility & Transport)
Antonio Avenoso	European Transport Safety Council (ETSC)
Damiano Zamana	International Motorcycling Federation (FIM)
Tim Buche	Motorcycle Safety Foundation (MSF)

16:50 **Closing comments 1st day (ifz)**
Abschließende Kommentare zum ersten Konferenztag (ifz)

19:00 **Dinner – „Früh Lounge" (Brauhaus „Früh am Dom")**

02.10.2018 2nd Conference Day 2. Konferenztag

09:00 **Opening and Welcome / Eröffnung und Begrüßung**
Christian Kellner, Deutscher Verkehrssicherheitsrat (DVR), Germany
Signing of the new consortium: „European Training Quality Label Motorcycle Safety", ACEM – DVR – FIM

II / Session 1 Chair:
Prof. Dr. Hermann Winner,
Technische Universität Darmstadt, Germany

09:15 **Comparing critical event deceleration for motorcyclists and drivers**
Im Vergleich: Verhalten in kritischen Situationen von Motorrad- und Pkw-Fahrern
Cameron Rainey, Virginia Tech Transportation Institute, USA

09:40 **Detection of motorcyclists by car drivers with and without motorcycling experience. A virtual reality driving simulator study including eye-tracking.**
Wahrnehmung von Motorrädern durch Pkw-Fahrer mit und ohne Motorrad-Erfahrung. Eine Virtual-Reality-Simulatorstudie unter Berücksichtigung des Blickverhaltens.
Sofie Boets, VIAS institute, Belgium

10:05 **The proposed approach of Knowledge Base for the identification of promising countermeasures to reduce casualties amongst motorcyclists**
Der Ansatz einer Wissensbasis für die Identifikation von zielführenden Gegenmaßnahmen zur Reduzierung von Motorradunfällen
Giovanni Savino, Department of Industrial Engineering (DIEF), University of Florence, Italy

10:30 **Coffee Break / Kaffeepause**

II / Session 2 Chair:
Erik Pritchard, Motorcycle Safety Foundation (MSF), USA

10:45 **The International Motorcycling Federation sets a new standard for riders' safety through the FIM Racing Homologation Programme for helmets.**
Mit dem FIM-Racing Homologation Programm für Motorradhelme setzt die FIM einen neuen Standard für Fahrersicherheit.
Erica Manfredi, Fédération Internationale de Motocyclisme (FIM), Switzerland

11:10 **Virtual assessment of protective systems for motorcyclists based on real-world accident-data**
Realunfalldaten-basierte virtuelle Bewertung von Schutzsystemen für Motorradfahrer
Steffen Peldschus, Ludwig Maximilian University Munich, Biomechanics and Accident Analysis at Institute of Legal Medicine, Germany

11:35 **Safety Standard for Motorcyclists – Protection against Injuries in Traffic Accidents and Residual Injury Pattern.**
Sicherheitsstandard für Motorradfahrer – Schutz gegen Verletzungen in Verkehrsunfällen und Bilanz verbliebener Verletzungsschwerpunkte
Dietmar Otte, BIOMED-TEC Hannover and Hannover Medical School, Germany

12:00 **ADAS&ME: Experiments for the development of a rider condition monitoring system**
ADAS&ME: Experimente zur Entwicklung eines Monitoring-Systems für die Verfassung des Fahrers.
Ioannis Symeonidis, Hellenic Institute of Transport, Centre for Research & Technology Hellas, Greece

12:25 **Lunch Break / Mittagspause**

II / Session 3 Chair:
Dr. Ray Ochs, Motorcycle Safety Foundation (MSF), USA

13:25 **Different approaches with regard to safe cornering lines and how to adopt them – background information and possible improvements**
Unterschiedliche Ansätze sicherer Kurvenfahrlinien und deren Aneignung – Hintergründe und mögliche Verbesserungen
Roman Angermann, Swiss Touring Club (TCS), Switzerland
Klaus Schwabe, Biketraining & Consulting, Germany

13:50 **Lean Angles and Lane Positions of Motorcyclists**
Schräglagen und Kurvenlinien von Motorradfahrern
Martin Winkelbauer, Austrian Road Safety Board (KFV), Austria

14:15 **High Precision Motorcycle Bend Trajectory Reconstruction Based on a Low-cost Multi-Sensor System**
Die hochpräzise Nachabbildung von Motorrad-Kurvenlinien basierend auf einem kostengünstigen Multi-Sensorsystem
Stéphane Espié, The French institute of science and technology for transport, development and networks (IFSTTAR), France

14:40 **Coffee Break / Kaffeepause**

II / Session 4 Chair:
Prof. Dr. Steffen Peldschus,
Ludwig-Maximilians-Universität München, Germany

14:55 **viaMotorrad – Can motorcycle safety be measured?**
viaMotorrad – Kann Motorradsicherheit gemessen werden?
Klemens Schwieger, Austrian Institute of Technology GmbH (AIT), Austria

15:20 **Innovative motorcycle headlight design for improving motorcycle visibility**
Innovatives Motorrad-Scheinwerferdesign für bessere Erkennbarkeit

Stéphane Espié,
The French institute of science and technology for transport, development and networks (IFSTTAR), France

15:45 **Ultra-lightweight electric two-wheelers are the future; the future is now.**
Ultraleichte elektrische Zweiräder sind die Zukunft; die Zukunft ist jetzt.

Steven H. Anderson, MEA Forensic Engineers & Scientists, USA

Closing Comments / **Abschließende Kommentare**

MSF and ifz

TRADE FAIR VISIT

Right after the conference: Exclusive visit of the International Motorcylce, Scooter and E-Bike Fair INTERMOT 2018 prior to the official opening.

POSTER PRESENTATION

Further contributions will be presented during the conference.

Passenger Vehicle-Powered Two Wheeler Pre-Crash Trajectory Reconstruction and Conflict Analysis Results for Real-World Crashes in France, Germany, and Italy

Mike Van Auken
Dynamic Research, Inc., USA

The Day of the Motorcyclist

Wouter De Clercq
Vlaamse Stichting Verkeerskunde (VSV), Belgium

Motorcycling in Brazil: An Overview

João Tavares Pinho
Pesquisador do Grupo de Estudos e Desenvolvimento de Alternativas Energéticas (GEDAE), Brazil

CONFERENCE REGISTRATION

Registration:

You have the opportunity to registrate for participation at the conference online under the following link latest by September 28, 2018.

https://www.ifz.de/international-motorcycle-conference/

Please find here more details of the registration as well as more general conference information.

Registration Fee*:

Participants: € 545,-
Students:** € 280,-

Payment after receipt of invoice

* Includes the participation at both conference days, lunch, refreshment breaks, beverages, evening program on the first conference day, official conference papers and information leaflets.

** Please valid your status as a university student.

Hotel Reservation:

The ifz kindly asks you to arrange for your hotel accommodation by yourself. You can book online:

https://www.ifz.de/hotels/

Conference Venue:

Congress-Centrum Koelnmesse
Congress-Centrum North, 2nd floor
Rheinsaal
Deutz-Mülheimer-Straße 111
D-50679 Köln
www.koelnkongress.de

STEERING COMMITTEE

Reiner Brendicke (Chairman)
German Motorcycle Industry Association (IVM)

Dipl.-Ing. Christoph Albus
Federal Ministry of Transport and Digital Infrastructure (BMVI)

Tim Buche
Motorcycle Safety Foundation (MSF)

Christian Kellner
German Road Safety Council (DVR)

Dr.-Ing. Achim Kuschefski
Institut für Zweiradsicherheit (ifz)

Prof. Dietmar Otte
Hannover Medical School (MHH)

Prof. Dr. Steffen Peldschus
Ludwig-Maximilians-University München (LMU Munich)

Antonio Perlot
ACEM – The Motorcycle Industry in Europe

Prof. Andre Seeck
Federal Highway Research Institute (BASt)

Prof. Dr. Hermann Winner
Technische Universität Darmstadt (TU Darmstadt)

Partners of the 12th International Motorcycle Conference:

Institut für Zweiradsicherheit e.V.
Servicepark Essen
Gladbecker Straße 425
45329 Essen

Phone: +49 201 83 53 9-0
Fax: +49 201 83 53 9-99
eMail: info@ifz.de
Website: www.ifz.de

Institut für Zweiradsicherheit e.V.