



CM2018 - **TU**Delft

11th International Conference on Contact
Mechanics and Wear of Rail/Wheel Systems

24 - 27 September 2018



CM2018 - 11th Edition

A conference series with a rich history where scientists, engineers, consultants and suppliers share, interact and explore current developments as well as the future needs and demands of contact mechanics of rail-wheel systems worldwide.

Theme

Connecting science and practice towards future rail-wheel interaction.

Program

Keynotes, paper presentations, technical tour, poster exhibition and two special sessions in memory of K.L. Johnson and J.J. Kalker.

(details to be announced late 2017)

Submission

An abstract of approximately 1000 words should be submitted through the CM2018 website. If accepted, authors should submit a full paper consisting of 6 to 10 pages. The official language of the conference is English.

We are very much looking forward to welcoming you all at Delft University of Technology in the Netherlands!

Contact

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Conference website: www.cm2018.org

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Topics

- Contact mechanics of rail-wheel systems
- Friction and adhesion at rail-wheel interface
- Influence of vehicle/track interaction on rail-wheel contact behaviour and damage
- Damage of rails and wheels
- Metallurgy and material behaviour of rails and wheels at macro and micro scales
- Development, application and in-service performance of rail and wheel materials
- Management of rail-wheel interface, including grinding, reprofiling, friction modification, etc.
- Vibration and noise related to rail-wheel contact
- Mutual influence between environmental aspects and rail-wheel contact
- Physical and virtual measurement of rail-wheel contact
- Condition monitoring and diagnostics in relation to rail-wheel contact
- Rail-wheel contact related problems from service: case studies and possible solutions

Important Dates

Abstract submission open	September 1, 2017
Deadline for abstract submission	December 1, 2017
Notification of abstract acceptance	March 1, 2018
Final paper submission	July 1, 2018
Conference CM2018	September 24 - 27, 2018

