1st International Railway Symposium Aachen
28-30 November 2017
at RWTH Aachen University

Conference Announcement
Call for Papers

Event Information

Conference language
The conference languages are German and English.

The conference lectures and the slides can be presented in either language of both.

A simultaneous interpretation of the German lectures into English will be offered for international participants.

Registration fees
Contributors:
early birds before Sept. 15, 2017: 280 €, after: 330 €
Participants:
early birds before Sept. 15, 2017: 480 €, after: 530 €
Students without a master’s or Diploma degree:
early birds before Sept. 15, 2017: 150 €, after: 200 €

* without conference dinner, proof required
All prices include VAT

The registration fee includes admission to all conference sessions, catering, the conference dinner and all conference documents.

The travel and accommodation expenses shall be covered by the participants.

Contact
Secretary’s office of the IRSA 2017
c/o Institute of Rail Vehicles and Transport Systems
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52074 Aachen
Germany
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Fax. +49 (0)241 80 22145
irsa@rwth-aachen.de

Conference Announcement
Call for Papers

Call for Papers
Experts from universities and research institutions, from industry and politics are invited to take part in the conference and to submit presentation proposals addressing one of the topics listed on the reverse side.

Submission
Potential contributors are kindly asked to submit an extended abstract (max. three DIN A4 pages) on one of the main topics of the conference, either in German or in English, until May 15, 2017.
Please compose your document using the template available on the website of the symposium and submit it using the upload option:
www.irsa.rwth-aachen.de

Content of the extended abstract
• Classification regarding the topic
• Meaningful title
• Abstract (incl. keywords)
• Personal data of the author(s) (name, address, position)
• Preferred language of presentation

Registration
The registration for the conference will be possible online at:
www.irsa.rwth-aachen.de
Registration will open on May 1, 2017.

Presentation of the Papers
The program committee will decide on the acceptance of the submitted contributions as well as on their classification in the corresponding program session. The contributions rejected by the committee can be accepted as poster presentations.

The authors are kindly asked to submit the accepted contributions in the form of a manuscript for the digital conference proceedings. The manuscript should be between 8-16 pages long and be submitted in either German or English.

Deadlines
Extended abstract submission: May 15, 2017
Author notification: June 30, 2017
Manuscript submission: Sept. 15, 2017

Sponsoring
An event like the IRSA relies on the support of economic and industrial associations.

We have prepared a special sponsorship program for you as well. Please contact us if you are interested. Further information can be found at:
www.irsa.rwth-aachen.de

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Foreword

Current trends, such as digital networking and urbanization, have created new opportunities for rail transport. The resulting challenges cannot be faced by a single domain alone. Innovative ideas that exploit the full potential of the railway system require interdisciplinary collaboration. Promising first steps have already been taken, for instance in the fields of automated driving and predictive maintenance. It is now time to maintain this momentum to shape the future of the rail transport together.

The 1st International Railway Symposium Aachen (IRSA) is meant to provide a platform for professional exchange in the sector. We attach much importance to covering a wide and interdisciplinary range of subjects including operation, infrastructure and vehicle technology. The symposium is equally interesting for scientists, professionals and politicians. Both the mainline transit and the urban transport are addressed. Last but not least, we want to facilitate networking among the participants.

As organizers of IRSA, we look forward to seeing you in Aachen. We make every effort to offer you an attractive programme and we kindly invite you to actively contribute interesting papers and presentations.

Univ.-Prof. Dr.-Ing. Christian Schindler
Spokesman of the Organization Committee

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<td><strong>Topics from all sectors of rail transport</strong></td>
<td><em>Prof. Dr.-Ing. D. Abai, RWTH Aachen University</em></td>
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<td>Innovative railway operation concepts</td>
<td><em>Dr.-Ing. T. Böker, VIA Consulting &amp; Develop., Aachen</em></td>
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<td>• Robust scheduling</td>
<td><em>Prof. Dr.-Ing. T. Dellmann, RWTH Aachen University</em></td>
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<td>• Automatic track allocation</td>
<td><em>Prof. Dr. J. H. W. De Doncker, RWTH Aachen Univ.</em></td>
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<td>• Incident management</td>
<td><em>Prof. Dr.-Ing. M. Enning, FH Aachen</em></td>
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<td><em>Dr. M. Fell, DB Netz AG</em></td>
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<td>• Structural integrity, collision safety</td>
<td><em>Prof. Dr. Eng. J. A. Ferrer, TU Delft</em></td>
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<td><em>Prof. R. D. Lorenz, University of Wisconsin-Madison</em></td>
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<td><em>Dipl.-Ing. H.-P. Lang, DB Systemtechnik, Minden</em></td>
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<td>• Automated freight transport</td>
<td><em>Dr.-Ing. L. Löwenthal, Siemens Mobility, Erlangen</em></td>
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<td>• Driver assistance systems</td>
<td><em>Prof. Dr.-Ing. A. Müller-Helmann, RWTH Aachen Univ.</em></td>
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<td>• Car-to-X communication</td>
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<td><em>Prof. Dr.-Ing. C. Schindler, RWTH Aachen University</em></td>
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<td><em>Prof. Dr.-Ing. B. Schmidt, FH Aachen</em></td>
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<td><em>Prof. S. Sichler, KTH Stockholm</em></td>
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<td><em>Prof. Dr.-Ing. D. Vahle, RWTH Aachen University</em></td>
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Univ.-Prof. Dr.-Ing. Christian Schindler
Spokesman of the Organization Committee

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- Prof. Dr.-Ing. A. Müller-Helmann, RWTH Aachen Univ.
- Prof. Dr.-Ing. N. Nienlen, RWTH Aachen University
- Prof. Dr.-Ing. R. Pfaff, FH Aachen
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- Prof. Dr.-Ing. D. Vahle, RWTH Aachen University
- Dr.-Ing. W. Weigand, ehem. DB Netz AG
- Prof. L. Zhang, Beijing Jiaotong University

Research Center Railways (RCR)

IRSA is an initiative of the following institutions of the RWTH Aachen University:
- Institute of Rail Vehicles and Transport Systems (IFS), Prof. Schindler
- Institute of Transport Science (VIA), Prof. Nießen
- Institute for Power Electronics and Electrical Drives (ISEA), Prof. De Doncker

www.irsa.rwth-aachen.de

Preliminary Programme:
- Tuesday, November 28, 2017
  - 09.00 Individual Arrival
  - 10.00 Registration
  - 10.15 Welcome speeches
  - 19.00 Conference dinner
- Wednesday, November 29, 2017
  - 09.00 Registration
  - 10.00 Official opening of the event at the SuperC building of the RWTH Aachen University
- Thursday, November 30, 2017
  - 09.00 Lecture sessions
  - 15.30 Closing session
  - 16.30 End of the event