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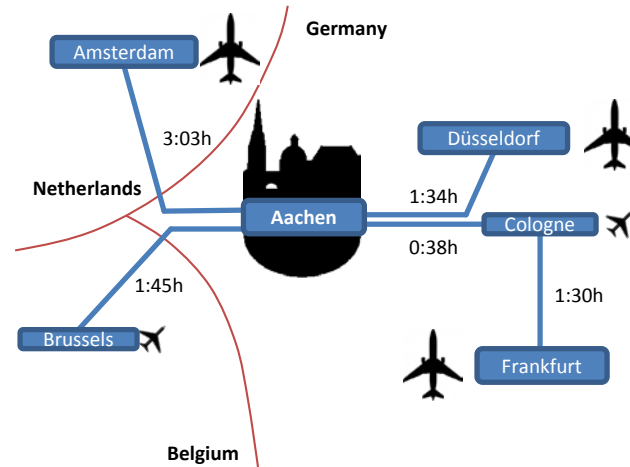
Secretariat

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SuperC of RWTH Aachen University

How to reach Aachen



Arrival by Plane

Intercontinental Airports

Frankfurt Airport (255 km, Germany)
Amsterdam Airport (240 km, Netherlands)
Brussels Airport (143 km, Belgium)

International Airports

Düsseldorf Airport (90 km, Germany)
Cologne/Bonn Airport (85 km, Germany)



The 10th International Symposium on
Linear Drives for Industry Applications

LDIA 2015

Aachen, Germany – July 27-29, 2015

LDIA 2015

The 10th International Symposium on Linear Drives for Industry Applications (LDIA) will be held from July, 27-29 2015 in Aachen, Germany.

The goal of the symposium is to bring together researchers from both academia and industry, and to share research findings and discuss future developments in linear drive technology.

The official language of the symposium is English.

Program

	Sun	Mon	Tue	Wed			
	7/26/2015	7/27/2015	7/28/2015	7/29/2015			
9am		Opening ceremony		Invited oral	Technical tour		
10		Invited oral		Oral 2A		Oral 2B	
11		Oral 1A	Oral 1B				
12							
1pm		Lunch & Poster 1		Lunch & Poster 2			
2							
3							
4			Oral 1C	Oral 1D		Oral 2C	Oral 2D
5		Registration					
6			Visit IEM Lab			Visit IEM Lab	
7		Welcome		Conference dinner			
8		Reception					

Venue

The symposium will be held in the SuperC of the RWTH Aachen University in Aachen, Germany.

RWTH Aachen University is a place where the future of our industrialized world is thought out. The University is proving to be a hotspot with increasing international recognition where innovative answers to global challenges are developed.

The Emperor's City is a popular travel destination. This is not just because of its favorable geographical position but also due to its large variety of art and culture, elegant shops and pubs.

Aachen is located in an area, where the three countries of Germany, Belgium and the Netherlands meet. You can easily get to the Eifel hills in a short time. You will soon see how much variety the city has to offer.

Topics

Trends and new developments of linear drives (survey)

Electromagnetic linear motors and actuators

Linear motors

Linear actuators

Tubular motors

Nano-, micro-actuators

Multi-dimensional linear and planar drives

Non-electromagnetic linear motors and actuators

Linear motors

Linear actuators

Nano-, micro-actuators

Multi-dimensional linear and planar drives

Bio-actuators

Piezo electric actuators

Control methods for linear drives

Linear drive and motor control

Control theory

Applications of new control theory

Modeling and identification

Levitation technologies

Magnetic levitation for linear drives

Magnetic suspensions for motors

Electrodynamic levitation

Control strategies

Novel levitation control schemes

Subsystems for linear drives

Bearings

Power sources and power conversion

Sensors and measurement systems



INSTITUTE OF ELECTRICAL MACHINES
CHAIR OF ELECTROMAGNETIC ENERGY CONVERSION
RWTH AACHEN UNIVERSITY

Applications of linear drives and levitation technologies

Transportation

Factory automation and machine tools

Office automation

Robotics

Home and medical applications

Analysis of electromagnetic fields and force fields

Numerical analysis

Analysis of coupled systems

Visualization

Dynamics

EMC

Materials

Permanent magnets

Superconductors

Piezo devices

Magnetic materials

Special design of force elements

Other related topics and new technologies

Information for authors

November 17, 2014: Submission of 1 page A4 abstracts

February 20, 2015: Notification of acceptance

April 20, 2015: End of early bird registration

April 20, 2015: Full paper submission

Authors are invited to submit a single-page A4 abstract before November 17, 2014 through the conference website: www.ldia2015.org

The accepted papers will be published in the conference proceedings.

Post conference proceedings

After the conference, authors of selected papers will be invited to submit an extended version to the peer reviewed journal: Archives of Electrical Engineering.