Welcome Message
The 12th International Symposium on Linear Drives for Industry Applications (LDIA) will be held from July 1-3, 2019 in Neuchâtel, Switzerland. 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.

Venue
The symposium will be held at the Microcity center for innovation of the Swiss Federal Institute of Technology (EPFL) in Neuchâtel, Switzerland. Located on a beautiful lake, accessible by train from the Geneva (1.5 hours) or Zurich airports (2 hours), Neuchâtel is both a charming historic city and the heart of microtechnology and mechatronics industries in Switzerland.

Information for Authors
December 1st, 2018 Submission of abstracts
March 1st, 2019 Notification of acceptance
May 1st, 2019 Submission of full papers

Authors are invited to submit an A4 single-page abstract through the conference website. After the conference, authors of selected papers will be invited to resubmit their work to the EPE Journal.

Preliminary Program
July 1st, 2019 Registration, Welcome party
July 2nd, 2019 Opening ceremony, Plenary lectures, Technical sessions, Banquet
July 3rd, 2019 Technical sessions, closing remarks
July 4th, 2019 Technical tour

Organizing Committee
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D. Trumper MIT, USA

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
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