

## Call for Papers

The 13<sup>th</sup> International Symposium on Linear Drives for Industry Application (LDIA) will be held in Wuhan, China, during July 01-03, 2021. The goal of LDIA2021 is to bring together researchers from both academia and industry, to share research findings, and to discuss future developments in linear drive technology. This symposium will cover invited talks, technical sessions including oral and poster presentations. Considering the influence of COVID-19, both **virtual conference** and **on-site conference** are planned to be held.

### Topics

#### 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 technology

Magnetic levitation for linear drives  
Magnetic suspensions for motors  
Electrodynamic levitation  
Control strategies  
Novel levitation control schemes

#### Trend and new development of linear drives

##### Subsystems of linear drives

Bearings  
Power sources and power conversion  
Sensors and measurement systems

##### Applications of linear drives and levitation technology

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

### Digest Submission

Authors are invited to submit a one-page digest through the paper submission system. The digest must be submitted in PDF format. Papers presented at LDIA2021 must be original material and have not been previously presented or published. Authors can refer to the conference website for more information on a digest template and submission method.

## Important Date

Deadline for digest submission: ~~Dec. 31, 2020~~ **Jan. 31, 2021**  
Notification of acceptance: ~~Jan. 31, 2021~~ **Mar. 10, 2021**  
Deadline for full paper submission: May 31, 2021

## Publication

All presented papers will be included in the conference proceedings and submitted to the IEEE Xplore database. Afterwards, all papers will be recommended to the review by IEEE Transactions on Industry Applications with appropriate revision.

## Program

The conference program will consist of invited keynote speaking, oral and poster presentations, industrial seminars and so on. The invited presentations will be selected from the submitted digests by the Technical Program Committee. Each paper must be presented by an author. No-show papers will not be eligible for inclusion in the conference proceedings and IEEE Xplore database.

## Exhibition and Sponsorship

An exhibition of related services, equipment, materials, software, technical journals and books will be held as a part of LDIA2021. Industrial companies, research institutions and organizations that are interested in purchasing booth space for exhibitions or sponsoring conference events could contact the organizing committee by the mailbox [Ldia2021@hust.edu.cn](mailto:Ldia2021@hust.edu.cn). More detailed information will be announced on the conference website.

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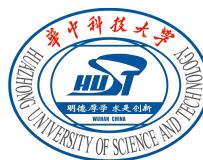
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## Sponsor



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