PROCEEDINGS

Proceedings will be published in time for the symposium and a copy with CD will be given to each registrant at the registration desk.

TECHNICAL TOUR

A technical tour is under planning. Latest information will be provided at the LDIA 2009 Home Page. (http://www.LDIA2009.kr)

SPONSORSHIP

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Seoul National University

IN COOPERATION WITH

Korea Elctrical Engineering & Science Research Institute (KESRI)
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ORGANIZING COMMITTEE

Chairperson : H. K. Jung (Seoul Nat'l Univ., Korea)

PROGRAM COMMITTEE

Chairperson : J.P. Hong (Hanyang Univ., Korea)

LDIA2009 SECRETARIAT

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KOREA TOURISM ORGANIZATION
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The First Announcement and Call for Papers

The Seventh International Symposium on

LDIA 2009

Linear Drives for Industry Applications

September 20-23, 2009
Hyatt Regency Incheon, Korea

OBJECTIVES

The Seventh International Symposium on Linear Drives for Industry Applications (LDIA2009) will provide a forum for the discussion of present research and development activities and future prospects related to the linear drives for industry applications. Although linear drive systems have spread to applications in industry, there still remain many issues to be solved. This symposium will contribute to find these solutions and the further development of linear drive technology.

VENUE

The Symposium will be held at the Hyatt Regency Incheon, Korea. Strategically located at the International Business Centre, Hyatt Regency Incheon is set to take its place as the city's premier venue for corporate meetings and conferences.

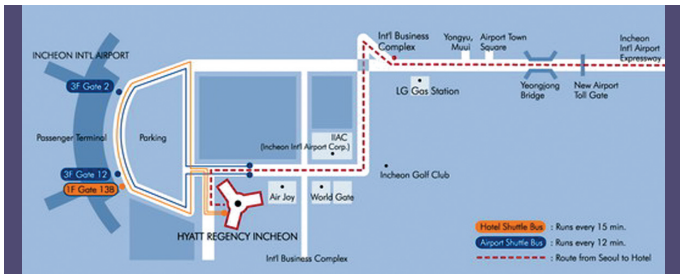
Cleverly combining its contemporary design and state-of-the-art technology with culinary expertise and classic standards of service excellence, it bring to the city of Incheon world-class luxury, innovative dining and entertainment. Only minutes from the new incheon International Airport, Hyatt Regency Incheon is a distinctive new landmark and a welcoming residence as a home away from home to visitors of this gateway city.

About Incheon

Incheon was promoted to a city under direct government supervision on July 1, 1981. On January 1,1989, Gyeyang-myeon of Gimpo-gun and other districts of Gyeonggi-do Province, including Yeongjong-myeon and Yongyu-myeon of Ongjin-gun were merged into the city. A gateway to Northeast Asia with both international port and international airport in its hand, Incheon is located in the mid-west Korea peninsula abutting the Yellow Sea. A city located 28km from the nation's capital, Seoul, lies at 126° 37′′of east longitude and 37° 28′ of north latitude. San Francisco, Washington, Madrid, and Teheran are found on the same latitude.

TRANSPORTATION

You can find Hotel shuttle, Airport shuttle and KAL limousine information in the Home Page of LDIA 2009.



ACCOMMODATION

The Organizing Committee will provide Information about other hotels within twenty minutes trip by bus from the conference site. Further detail information will be provided through the LDIA2009 Home Page.

PROGRAM

Sept. 20 Registration, Welcome Party
Sept. 21 Opening Ceremony, Plenary Lectures, Technical Sessions, Banquet
Sept. 22 Technical Sessions, Closing Remarks
Sept. 23 Technical Tour

TOPICS

00 Trend and new development of linear drives (survey)

10 Electromagnetic linear motors and actuators
- 11 linear motors
- 12 linear actuators
- 13 nano-, micro-actuators
- 14 multi-dimensional linear drives

20 Non-electromagnetic linear motors and actuators
- 21 linear motors
- 22 linear actuators
- 23 nano-, micro-actuators
- 24 multi-dimensional linear drives
- 25 bio-actuators
- 26 Piezo electric Actuators

30 Control technologies for linear drives
- 31 linear drive and motor control
- 32 control theory
- 33 applications of new control theory
- 34 modeling and identification

40 Levitation technologies
- 41 magnetic levitation for linear drives
- 42 magnetic suspension for motor revolution
- 43 electric field levitation
- 44 control strategies
- 45 novel levitation control scheme

50 Subsystem for linear drives
- 51 bearings
- 52 power sources and power conversion
- 53 sensors and measurement systems

60 Applications of linear drives and levitation technologies
- 61 transportations
- 62 factory automation and machine tools
- 63 office automation
- 64 robotics
- 65 home and medical applications

70 Analysis of electromagnetic field and force field
- 71 numerical analysis
- 72 analysis of coupled system
- 73 visualization
- 74 dynamics

80 Materials
- 81 permanent magnet
- 82 superconductor
- 83 piezo device
- 84 magnetic materials
- 85 special design of force elements

90 Other related topics and new technologies

CONTRIBUTIONS

Prospective authors should submit a single page abstract, in English, on one side of A4 or letter-size paper in Word or PDF electronic file, by January 31, 2009. This abstract should be headed by the title of the paper, names and affiliations of authors, mailing address, phone and facsimile numbers, e-mail address, and the topic number(s), followed by the summary of the paper's contents, clearly indicating the aim and the results of the work. Please refer to latest information in the LDIA2009 Home Page.

DEADLINES

Receipt of abstracts : **January 31, 2009**
Notification of acceptance : **March 31, 2009**
Receipt of full papers : **June 30, 2009**

LANGUAGE

The official language of the Symposium is English, which will be used for all printed materials, presentations and discussions.

Linear Drives for Industry Applications