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

A technical tour is under planning. Latest information will be provided at the LDIA 2005 Home Page.

Sponsored by:
Industry Applications Society, The Institute of Electrical Engineers of Japan
In cooperation with: (as of Dec. 24)
The Japan Society of Mechanical Engineers
The Japan Society of Applied Electromagnetics and Mechanics
The Japan Society for Precision Engineering
Hyogo Prefecture
Supported by:
The Nikkan KogyoShimbun, Ltd.
Kobe University

Organizing Committee
Chairperson: H. Ohsaki, The Univ. of Tokyo, Japan

Steering Committee
Chairperson: T. Azukizawa, Kobe Univ., Japan

Program Committee
Chairperson: T. Hikihara, Kyoto Univ., Japan

International Steering Committee (as of Oct. 1)
Chairperson:
D. Ebihara Musashi Institute of Tech., Japan
Members:
T. Azukizawa Kobe Univ., Japan
A. Binder TU Darmstadt, Germany
I. Boldea Polytechnic Inst., Timisoara, Romania
P. Brochet Ecole Centrale de Lille, France
W. R. Canders TU Braunschweig, Germany
A. Cassat EPFL, Switzerland
S. K. Chen Xi'an Jiatong Univ., China
J. Driesen Katholieke Univ. Leuven, Belgium
J. F. Eastham Univ. of Bath, UK
J. F. Geras United Tech. Research Centre, USA
K. Hameyer RWTH Aachen, Germany
T. Hikihara Kyoto Univ., Japan
J. P. Hong Changwon National Univ., Korea
D. Howe Univ. of Sheffield, UK
H. K. Jung Seoul National Univ., Korea
D. H. Kang KERI, Korea
B. Z. Kaplan Ben-Gurion Univ. of Negev, Israel
I. K. Kim General Atomics, USA
J. Kitano Central Japan Railway Co., Japan
F. J. Lin National Dong Hwa Univ., Taiwan
H. Ohsaki The Univ. of Tokyo, Japan
A. Del Pizzo Univ. of Naples, Italy
F. Profumo Politecnico di Torino, Italy
A. C. Rufer EPFL, Switzerland
C. Sadarangani KTH, Sweden
D. L. Trumper Massachusetts Inst. of Tech., USA
M. C. Tsai National Cheng Kung Univ., Taiwan
Y. Y. Ye Zhejiang Univ., China
J. P. Yonnet LEG, France

LDIA2005 SECRETARIAT
Prof. T. Azukizawa
Faculty of Maritime Sciences, Kobe University
5-1-1, Fukae-Minami, Higashi-Nada, Kobe, Hyogo, 658-0022, JAPAN
Phone & Facsimile: +81-78-431-6280
E-mail: ldia05@maritime.kobe-u.ac.jp

URL: http://www.ymebutai.org/conf_e/

LDIA 2005 Kobe - Awaji
The Fifth International Symposium on
Linear Drives for Industry Applications
September 25-28, 2005,
Awaji Yumebutai, Hyogo, Japan
OBJECTIVES
The Fifth International Symposium on Linear Drives for Industry Applications (LDIA2005) 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 finding these solutions and the further development of linear drive technology.

VENUE
The Symposium will be held at the Hyogo Prefectural “Awaji Yumebutai” International Conference Center*. Awaji Island, Hyogo, Japan. Awaji Island, the island of flowers, is connected to Kobe City by the world's longest suspension bridge Akashi-Kaikyo Bridge. Travel time from Kansai International Airport to the Conference Center is less than two hours by limousine bus. Frequent bus services are available between the Conference Center and JR Maiko or San-no-miya stations, downtown Kobe City, in 30 to 40 minutes. The world's cultural heritage "Himeji Castle" is about one hour trip by bus and train. Kyoto is about one hour and half trip by bus and train. The 2005 World Exposition*, “Nature’s Wisdom”, Aichi, Japan will be held from March 25 to September 25, 2005, near by Nagoya City. The linear induction motor driven electromagnetically suspended people mover system, “Linimo”, will be in service to connect Nagoya City and Expo site.

*1: http://www.yumebutai.org/conf_e/
*2: http://www-0.expo2005.or.jp/en/

ACCOMMODATION
The Westin Awaji Island Resort and Conference Center will provide ocean front deluxe twin rooms to the conference attendees and their accompany persons, with valuable conference rate. Information about other hotels within one hour trip by bus from the conference site, will be provided through the LDIA2005 Home Page.

PROGRAM (Tentative)
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sept. 25</td>
<td>Registration, Welcome Party</td>
</tr>
<tr>
<td>Sept. 26</td>
<td>Opening Ceremony, Plenary Lectures, Technical Sessions, Banquet</td>
</tr>
<tr>
<td>Sept. 27</td>
<td>Technical Sessions, Closing Remarks</td>
</tr>
<tr>
<td>Sept. 28</td>
<td>Technical Tour</td>
</tr>
</tbody>
</table>

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
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 Analyses of electromagnetic field and force field
   71 numerical analyses
   72 analyses 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 to the LDIA2005 secretariat in Word or PDF electronic file, by January 31, 2005. 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 LDIA2005 Home Page.

DEADLINES
Receipt of abstracts January 31, 2005
Notification of acceptance March 15, 2005
Receipt of full papers June 30, 2005

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