



The 20th MAGDA Conference in Pacific Asia, November 14-16, 2011, Kaohsiung, Taiwan

<http://MAGDA2011.org>

INTRODUCTION

Magnetodynamics (**MAGDA**) Conference is an annual event that is organized by the Japan Society of Applied Electromagnetics and Mechanics (**JSAEM**). It is the prime forum of communication for the community of magnetodynamics researchers and development engineers. It is also a point of contact of the academic and industrial professionals in the domain of Electromagnetics and Mechanics.

This conference started in Tokyo, Japan in 1992. It was successively held at Kanazawa, Osaka, Tottori, Bali (Indonesia), Shinsyu, Fukuyama, Hiroshima, Brisbane (Australia), Morioka, Tokyo, Oita, Sendai, Gifu, Kiryu, Kyoto, Hitachi, Tokyo and Sapporo. The conference has developed into a very attractive event for the advancement of magnetodynamic technology.

The 20th anniversary conference, **MAGDA 2011**, will take place at Kaohsiung in Taiwan from **November 14 to 16, 2011** as an *international* event although most of the past conferences were domestic in Japan.

SCOPE

The main topics of the conference are as follows:

- **Actuators and Power Generators**
- **Sensors and Measurement**
- **Computational Electromagnetics**
- **Inverse Problems**
- **Modeling and Identification**
- **Nondestructive Evaluation**
- **Micro and Nano Technology**
- **Power Electronics and Drive Systems.**
- **Magnetic Bearings and Magnetic Levitation System**
- **Industrialization**
- **Nuclear Fusion Technology**
- **Applied Superconductivity and Diamagnetism**
- **Maintenance and Reliability Engineering**
- **Biomedical Engineering**
- **Functional Materials and Adaptive Systems**
- **Advanced Magnetic Engineering, Dynamics & Control**
- **Electromagnetics and Electromechanical Education**
- **Applications of Electromagnetics and Robotics**
- **Other related Topics**

PLANNED SCHEDULE

Deadline of abstract submission July 31, 2011
Notification of acceptance August 20, 2011
Deadline of full paper submission September 30, 2011

The latest information on the conference will be available at
<http://MAGDA2011.org>

ORGANIZATION

MAGDA 2011 is organized by

- **Japan Society of Applied Electromagnetics and Mechanics (JSAEM)**
- **Department of Mechanical and Automation Engineering, National Kaohsiung First University of Science and Technology, Taiwan**

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Takeshi MIZUNO (Saitama University, Japan)

Local Organizing Chair

Yung-Tien LIU (National Kaohsiung First University of Science and Technology, Taiwan)

Program Chair

Koichi OKA (Kochi Institute of Technology, Japan)

SPECIAL ISSUE

JSAEM Journal plans to publish a special issue on MAGDA 2011 in June 2012. Authors wishing to submit to this special issue should make an application in submitting each full paper on the website. They will automatically follow the peer review process.

LOCATION

The symposium will be held at **Garden Villa** in **Kaohsiung, Taiwan**. Kaohsiung is in the southwestern of Taiwan. It takes about 2 hours from Taipei by High Speed Rail.

CONFERENCE FEE

	Advance rate	Late rate	On-site rate
Regular	30,000 JPY (11,000 NTD*)	40,000 JPY (14,000 NTD*)	14,000 NTD
Student	15,000 JPY (5,500 NTD*)	25,000 JPY (9,000 NTD*)	9,000 NTD

*subject to rate change

The deadline for advance registration is September 30, 2011. All participants making a scientific presentation must be preregistered by **September 30, 2011**.

CORRESPONDENCE

All inquiries and proposals concerning the conference should be addressed to:

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Chairperson of MAGDA 2011

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COLLABORATING SOCIETIES

The Institute of Electrical Engineers of Japan (**IEEJ**)
Japan Society of Mechanical Engineers (**JSME**)
The Magnetics Society of Japan (**MSJ**)
Japan Society for Simulation Technology (**JSST**)
Japan Biomagnetism and Bioelectromagnetics Society (**JBBS**)
The Society of Instrument and Control Engineers (**SICE**)
The Institute of Systems, Control and Information Engineers (**ISCIE**)
Atomic Energy Society of Japan (**AESJ**)
Japan Society of Maintechnology (**JSM**)
The Japan Society for Non-Destructive Inspection (**JSNDI**)
IEEE Magnetic Society Japan Chapter
The Japan Society of Plasma Science and Nuclear Fusion Research (**JSPF**)
Japan Society of Spring Engineers (**JSSE**)
The Society of Life Support Engineering (**LSE**)

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