

ANNAMALAI UNIVERSITY  
DEPARTMENT OF MANUFACTURING ENGINEERING  
(DST FIST Sponsored & UGC-SAP Assisted DRS Department) KUMAMOTO UNIVERSITY  
SHOCK WAVE AND CONDENSED MATTER RESEARCH CENTER *Jointly Organise*

INDIA - JAPAN CONFERENCE on  
ADVANCES IN MATERIALS PROCESSING

Sep 30th 2009 to Oct 02nd 2009

Patron : **Dr. M.A.M. Ramaswamy**

President : **Dr. M. Ramanathan**

Chairmen : **Dr. M. Rathinasabapathi**  
**Prof. B. Palaniappan**

Organising Chairmen

**Dr. K. RAGHUKANDAN**

**Dr. K. HOKAMOTO**

Conference  
Secretary : **Mr. P. Narendar Singh**

Coordinator : **Dr. P. Manikandan**

*Advisory Committee*

<b>Dr. Shigero Itoh</b> Kumamoto University, Japan	<b>Mr. K. Ujimoto</b> Asahi-kaisei, Japan
<b>Dr. B.C. Pai</b> NIIST, India	<b>Dr. U.T.S. Pillai</b> NIIST, India
<b>Dr. K. Sivakumar</b> DMRL, India	<b>Dr. S. Venugopal</b> IGCAR, India
<b>Dr. N.</b> <b>Anantharaman</b> UWI, West Indies	<b>Dr. R.</b> <b>Padmanabhan</b> U of C, Portugal
<b>Dr. Ve. Annamalai</b> SSNCE, India	<b>Dr. T. Senthilvelan</b> PEC, India
<b>Dr. S. Narayanan</b> VIT, India	<b>Dr. R. Karthikeyan</b> BITS-DUBAI Campus
<b>Prof. S. Ramesh</b> SVCE, India	<b>Mr. P.</b> <b>Senthilkumar</b> L&T, India
<b>Mr. A.</b> <b>Chandrasekar</b> Edison Electrical	<b>Mr. S. Muthukumar</b> Automotive Axles Ltd., India

**Venue**

FACULTY OF ENGINEERING AND TECHNOLOGY  
ANNAMALAI UNIVERSITY, TAMILNADU, INDIA **Department of Manufacturing Engineering**  
**(DST FIST Sponsored & UGC-SAP Assisted DRS Department)**

**ANNAMALAI UNIVERSITY**

Phone : +91 4144 239734

e-mail: mfg\_engg@yahoo.in

www.annamalaiuniversity.ac.in

THEME OF THE CONFERENCE

The conference will provide a platform to discuss the recent advances in materials processing.

Researchers, academicians, industrialists engaged in the research of materials processing are invited to present their findings in the following topics:

Metals and alloys

- Processing methodologies
- Innovative improvements
- Experimental analysis
- Impact engineering
- Analysis and modeling
- Testing

THE ORGANISERS

ANNAMALAI UNIVERSITY, India Annamalai University was founded in 1929 by Dr. Rajah Sir Annamalai Chettiar of Chettinad to whose vision, benefaction and philanthropy it owes its existence and is Asia's largest unitary residential University. The Annamalai University campus is located very close to famous pilgrimage town of Chidambaram, the abode of the cosmic dancer Lord Nataraja. The campus, over 1000 acres, is spread over TEN faculties, viz., Arts, Science, Indian Languages, Music, Education, Engineering & Technology, Agriculture, Medicine, Dentistry and Marine Biology. Annamalai University celebrated its Platinum Jubilee in 2004 and hosted the 94th Indian Science Congress in 2007. FACULTY OF ENGINEERING AND TECHNOLOGY

The Faculty of Engineering and Technology (FEAT) was established in 1945 as the second oldest engineering college in the then composite state of Madras. With NINE departments the faculty offers Undergraduate, Postgraduate & Doctoral programmes and celebrated its Diamond Jubilee in 2005.

DEPT. OF MANUFACTURING ENGINEERING

(DST FIST Sponsored & UGC-SAP Assisted DRS Department)

The Department of Manufacturing Engineering, CELEBRATING ITS SILVER JUBILEE THIS YEAR, has become the cynosure of academic excellence among the engineering colleges in the country. The department offers an Undergraduate programme in Mechanical Engineering (Manufacturing), Postgraduate and Doctoral Programmes in Manufacturing Engineering and NINE job oriented programmes through Directorate of Distance Education. Since its inception, the department has the pride of producing 25 Ph.Ds, contributing about 400 research publications and executing 34 R&D

projects worth more than Rs.6.2 crores from various funding agencies like AICTE, ARDB, ARMREB, BRNS, DST, DRDO, ISRO, MoEF, NRB and UGC. The department has well equipped laboratories and an exclusive Center for Materials Joining & Research. KUMAMOTO UNIVERSITY, Japan

Kumamoto University was established on May 31, 1949 under the National School Establishment Law that reformed the old Japanese educational system. Since the University's inception, a number of allied schools and facilities have been incorporated and developed within its structure. These include the Center for Educational Research and School Development; the University Hospital; the Medicinal Plant Garden; the Engineering Research Equipment Center; the Center for Multimedia and Information Technologies; the Cooperative Research Center; the Institute of Resource Development and Analysis; the International Student Center; the Center for AIDS Research; the Shock Wave and Condensed Matter Research Center; the Institute of Molecular Embryology and Genetics; the Center for Lifelong Learning; the Center for Marine Environment Studies; the Research Center for Higher Education; and the Environmental Safety Center. In addition, the University operates a Kindergarten, an Elementary School, a Junior High School, and a School for Disabled Children. FACULTY OF ENGINEERING

The origin of the Faculty of Engineering is the Department of Engineering of the Fifth High School, which was established in 1897. Since then, the university has turned out more than 30,000 alumni who are working actively all around the world. Thanks to an existing alumni network, graduates have been able to find work with many quality companies. Many students choose to continue their education in a master's program after they graduate. The goals of the Faculty of Engineering are two-fold. First, it aims to contribute to the welfare of mankind and the development of society by creating the technology that aims to help human society co-exist with the global environment. Its second aim is to foster people with a rich sense of humanity and the ability to contribute to the global community as well as local communities by looking at things from a global point of view. SHOCK WAVE AND CONDENSED MATTER RESEARCH CENTER

The Center was established in 1999 to promote researches on the generation of multi-extreme conditions using various combinations of shock wave, static high pressure, low temperature, strong magnetic field, megagravity field, strong electric field and micro-machining technology of next generation semiconductors. The Center is equipped with various latest equipments required for these researches and is open for the researchers at Kumamoto University as well as researchers from domestic and overseas. INVITED SPEAKERS include

- Dr. K. Sivakumar, DMRL, India
- Dr. U.T.S. Pillai, NIIST, India
- Dr. S. Venugopal, IGCAR, India
- Dr. K. Hokamoto, Kumamoto University, Japan
- Mr. K. Ujimoto, Asahi-kaisei, Japan
- Dr. P. Manikandan, Kumamoto University, Japan

#### VENUE AND DATE

The conference will be held during September 30th, 2009 to October 2nd, 2009 at the Faculty of Engineering and Technology, Annamalai University, Chidambaram, Tamilnadu, India. The town is well connected by road (225 kms south of Chennai; 75 kms south of Pondicherry; 175 kms north of Tiruchirapalli and 350 kms east of Coimbatore). The nearest Railway stations are Virudhachalam (45

kms), Cuddalore (40 kms) and Mayiladuthurai (40 kms). Frequent bus connectivity is available from all the above places. DATES TO REMEMBER

Aug. 20, **Submission of 500 words**  
2009 : **abstract**

Aug. 27,  
2009 : **Intimation of Acceptance**

Sep. 15, **Last date for submission of**  
2009 : **full paper**

Please correspond through e-mail

#### REGISTRATION FEES

Delegates from Industries : **Submission of 500 words**  
**abstract**

Delegates from R&D and  
Academic Institutions : **Intimation of Acceptance**

Research Scholars and  
Students : **Last date for submission of full**  
**paper**

**Note :** Demand Draft should be drawn in favour of THE  
REGISTRAR, ANNAMALAI UNIVERSITY payable at  
ANNAMALAINAGAR.

#### COMMUNICATION ADDRESS

**Narendar Singh, P.**  
Conference Secretary  
India-Japan Conference on  
Advances in Materials Processing  
Department of Manufacturing Engineering  
(DST FIST Sponsored & UGC-SAP Assisted DRS Department)  
Annamalai University,  
Annamalai Nagar, Chidambaram-608 002, INDIA  
Phone : +91 4144 239734, Mobile : +91 96559 59900  
e-mail : mfg\_engg@yahoo.in and pnaren\_au@yahoo.com