

## PREFACE

The subject of the Advances in Mechanical Engineering (AME) comprises paper covering a wide range of topics within the mechanical and manufacturing engineering discipline. The content includes technical papers and review articles in the areas of machining, renewable energy, composite materials, optimization techniques, CFD, tribology, alternate fuels, turbo machinery, materials and metal forming. The editorial team's expertise covers a variety of aspects of mechanical and manufacturing engineering. This collective expertise will enable the team to continue to do its best to manage the editorial process efficiently in particular by providing high quality review process. Followed by the editorial policy adopted by Scintific.Net- Materials Science and Engineering Board publishing papers that represent the full range of activities in Mechanical and Manufacturing Engineering field and related disciplines remains our goal at AME.

**INTERNATIONAL CONFERENCE ON MECHANICAL AND  
MANUFACTURING ENGINEERING**  
**(ICMME 2015)**  
**April 2-3, 2015**

*Organised by*  
Department of Mechanical Engineering, SCSVMV University

**Chairman :** **Dr.G.Sriram**  
**Convener :** **Dr.M.Vetrivel**  
**Secretary :** **Dr.T.Rajmohan**

**Organising Committee Members**

| S.No | Committee                                 | Person In charge       |
|------|---|------------------------|
| 1    | Reception                                 | Mrs.P.Vithya           |
|      |   | Ms.Sangavi             |
| 2    | Invitation, Brochure & Website Management | Mr.S.Vijaya Bhaskar    |
|      |   | Mr.D.Rajamani          |
| 3    | Programme & paper Scheduling              | Dr.S.Arumugam          |
|      |   | Dr.A.Arun Premnath     |
|      |   | Mr.S.Vijaya Bhaskar    |
| 4    | Accommodation and Hospitality             | Dr.A.Arun Premnath     |
|      |   | Mr.P. Chenga Reddy     |
| 5    | Transportation & Lodging                  | Mr.R.Prabhu            |
| 6    | Souvenir Preparation and Printing         | Mr.D.Vijayan           |
|      |   | Mr.R.Balakumar         |
| 7    | Guest and Speakers Management             | Dr. A.Tamilarasan      |
|      |   | Mr.D.Vijayan           |
| 8    | Registration of Participants              | Mr.A.Nandha Kumar      |
|      |   | Mr.P. Chenga Reddy     |
|      |   | Mr.G. V. Koteswara Rao |
| 9    | Food Arrangements                         | Mr.K.Mohan             |
|      |   | Mr.R.Ellappan          |
| 10   | Public Relations and Media                | Mr.R.Prabhu            |
|      |   | Prof.N.Ranganathan     |
| 11   | Gifts, Awards & Conference Kit            | Mr.R.Vinayaga Moorthy  |
|      |   | Mr.Gnaneswaran         |
| 12   | Certificate Design & Printing             | Mr.D.Rajamani          |

|    |                                       |                          |
|----|---------------------------------------|--------------------------|
| 13 | Banquet Dinner                        | Mr.K.Mohan               |
|    |                                       | Mr.R.Ellappan            |
| 14 | Hall & Audio-Visual arrangements      | Mr.K.Venkatesh           |
|    |                                       | Mr.R.Balakumar           |
| 15 | Inauguration and Valedictory Function | Dr.S.Arumugam            |
|    |                                       | Mr.P. Chenga Reddy       |
|    |                                       | Prof.R.Lakshmi Narayanan |
| 16 | Stage And Seating Arrangements        | Mr.K.Palani              |
|    |                                       | Mr.S.D.Sathish Kumar     |
| 17 | Compering                             | Mrs.P.Vithya             |
|    |                                       | Mr.Gnaneswaran           |

## Advisory Committee

- **Dr. L. Vijayaraghavan, Prof., IIT Madras**
- **Dr. Ramkumar Penchaliah, Asst. Prof., IIT Madras**
- **Dr. J. Srinivas, Associate Prof., NIT- Rourkela**
- **Dr. L. Karunamoorthy, Prof & Head, Dept of Mech Engg, Anna University**
- **Dr. A. Azad, Prof, Dept of Manufacturing Engg, Anna University**
- **Dr. N. Krishna Mohan, Prof., Anna University**
- **Dr. T. Alwarsamy, Prof., Liaison Officer, Directorate Technical Education, Chennai**
- **Dr. C. G. Saravanan, Prof., Annamalai University**
- **Dr. K. Balagurunathan, Dean, St.Peter's University, Chennai**
- **Dr. K. Palanikumar, Principal, Sairam Institute of Tech, Chennai**
- **Dr. A. Rajendraprasad, Dean (R&D), Sri Sairam Engg College, Chennai**
- **Dr. G. Subba Rao, Principal, Geethanjali Institute of Science & Technolgy, Nellore**
- **Dr. S. Jose, Principal, Loyola-ICAM College of Engg. & Tech, Chennai**
- **Dr. V. Soundararajan, Prof., & Head, Dept of Mech Engg, Pondicherry Engg College**
- **Dr. D. Dinakaran, Prof., Hindustan University, Chennai**
- **Dr. C. Elanchezhian, Prof., Sri Sairam Engg College, Chennai.**
- **Dr. M. Kumar, Principal Engineer, GE Healthcare, Bangalore**
- **Dr. Vaddi Seshagiri Rao, Prof., & Head, Dept of Mech Engg, St.Josephs Coll of Engg, Chennai**
- **Dr. S. Arul, Prof., & Head, Dept of Mech Engg, Panimalar Engg College, Chennai**
- **Dr. V. S. K. Venkatachalapathy, Director, Sri Manakula Vinayagar Engg College, Pondicherry**
- **Dr. M. Chandrasekaran, Prof., Vels University, Chennai**
- **Dr. V. S. Sreebalaji, Head, Dept. of Mech Engg, Thamirabharani Engineering College**
- **Dr. M. Kannan, Prof., Adhiparasakthi Engineering College, Melmaruvathur**
- **Dr. K. Rama Kotaiah, Prof., K L University**
- **Dr. B. Vijayaramnath, Prof., Sri Sairam Engg College, Chennai**
- **Dr. M. Narayana Rao, Prof., & Head, Dept of Mech Engg, Bharathiyyar Coll of Engg, Karaikal**
- **Dr. S. Venkateswaran, Principal, BMS Institute of Technology, Bangalore**
- **Dr. A.V. Suresh, Prof., & Dean (Academics), R.V. College of Engineering, Karnataka**
- **Dr. H. K. Govindaraju, Prof., BMS Institute of Technology, Bangalore**
- **Dr. K. M. Satish Kumar, Associate Prof., BMS Institute of Technology, Bangalore**

