

# 6<sup>th</sup> Symposium on Applied Aerodynamics and Design of Aerospace Vehicles & Workshop on 'Hypersonic Aerothermodynamics' 21-23 Nov 2013

## SAROD 2013



### Important Dates

- Pre-Registration Starts from: 04 Feb 2013
- Submission of Extended Abstract: 30 Jun 2013
- Notification of Acceptance: 31 Jul 2013
- Submission of Full Length Paper: 31 Aug 2013
- Closing of Registration: 31 Oct 2013

### Venue

Leonia Holistic Destination, Bommaraspeta, Shameerpet,  
Ranga Reddy District, Hyderabad -500078  
Phone: +91-40-66400000, Fax: +91-40-66404040  
E-mail: stay@leonia.in www.leonia.in

#### Theme of the conference

"Advances in Aerospace System Design and Simulation with Major Thrust on Aerothermodynamics and Aeroacoustics".

#### Pre-SAROD one day workshop on 'Hypersonic Aerothermodynamics'

#### Areas to be covered

- Re-entry aerodynamics
- Dynamic derivatives for aerospace vehicles
- Wind tunnel testing, including model design, balance design and rapid prototyping
- Applied CFD
- Missile and launch vehicle aerodynamics
- Manned and unmanned aircraft
- Aerostats and Airships
- Mini and Micro UAVs
- Applied flight mechanics and controls
- Aerothermal design, analysis and testing
- Aeroacoustics
- Aeroelasticity and fluid-structure interaction
- Aerodynamic databases and portals
- Multi-disciplinary design optimization
- Wind energy and wind turbines

#### For Further Details Contact

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Stall Tariff :

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Single (10'X5')	: Rs 25,000

E-mail: sarod2013@gmail.com

[www.sarodonline.org](http://www.sarodonline.org)





### Address of Venue

#### Leonia Holistic Destination

Bommaraspet, Shameerpet, Ranga Reddy District  
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www.sarodonline.org

PSU/Govt. Estb./Acad. Inst : Rs 5,500  
Private Organization : Rs 6,500  
Student (Aerospace Engg.) : Rs 1,000  
Foreign Participant : \$ 300  
Registration Fee can be paid through DD/Multicity Cheque/Bank Swift Transfer  
Bank Details : A/C Name: SAROD-2013; A/c No (Current a/c) : 32761166973, SBI DRDL Branch Hyderabad, IFSC : SBIN0010309

Filled registration form can be sent to :

Organizing Secretary  
Advanced Systems Laboratory (ASL)-DRDO  
Kanchanbagh PO, Hyderabad-500058

### About Hyderabad

Hyderabad, the capital city of Andhra Pradesh, ranks among the best tourist destinations in Southern India. It is located on the banks of the river Musi. Hyderabad was established in 1591 AD by Muhammad Quli Qutb Shah. It remained under the rule of the Qutb Shahi dynasty until 1687, when Mughal emperor Aurangzeb conquered the region and the city became part of the Deccan province of the Mughal empire. In 1724 Asif Jah I, a Mughal viceroy, declared his sovereignty and formed the Asif Jahi dynasty, also known as the Nizams of Hyderabad. The Nizams ruled the princely state of Hyderabad for more than two centuries. The city remained the state's capital from 1769 to 1948, till the Nizam signed an Instrument of Accession with the Indian Union.



Charminar

#### Culture

Hyderabad is noted for its mingling of North and South Indian linguistic and cultural traits and for the coexistence of Hindu and Muslim traditions. Telugu and Urdu are the local languages most commonly spoken.

#### Climate

Hyderabad has a tropical wet and dry climate bordering on a hot semi-arid climate. August to February is the best time to visit Hyderabad.

#### Cuisine

It comprises of a broad repertoire of rice, wheat and meat dishes and the skilled use of various spices. Hyderabad biryani and Hyderabad haleem, with their blend of Mughal and Arab cuisines, have become iconic dishes of India.

#### Places to Visit

Ramoji Film City, Charminar, Chowmohalla Palace, Falaknuma Palace, Golkonda Fort, Purani Haveli (Nizam's Museum), Salar Jung Museum, Birla Mandir, Chilkur Balaji Temple, Hussain Sagar Lake, Lumbini Park, NTR Garden, Nehru Zoological Park, Public Garden, Birla Planetarium., etc.



Buddha Statue

## 6<sup>th</sup> Symposium on Applied Aerodynamics and Design of Aerospace Vehicles

&  
Workshop on:  
'Hypersonic Aerothermodynamics'  
21-23 November 2013

## SAROD 2013



### Venue

Leonia Holistic Destination, Hyderabad



## Advanced Systems Laboratory

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**6<sup>th</sup> Symposium on Applied  
Aerodynamics  
And Design of Aerospace Vehicles  
21-23 November 2013  
&  
Workshop on  
Hypersonic Aerothermodynamics  
21 Nov 2013 Hyderabad**

**Scope of Conference**

Symposium on Applied Aerodynamics and Design of Aerospace Vehicles (SAROD) is organized to provide common platform to share the experiences of aerodynamicists involved in aerospace vehicle design in India as well as abroad. The remarkable success of previous SARODs and overwhelming response of aerospace designers and engineers to learn from each other's experiences is the driving factor to take SAROD-2013 to a new level.

**Theme of the conference:**

"Advances in Aerospace System Design and Simulation with Major Thrust on Aerothermodynamics and Aeroacoustics".

**Pre-SAROD one day workshop on:**  
'Hypersonic Aerothermodynamics'

**Areas to be covered**

- Re-entry aerodynamics
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- Aeroacoustics
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- Aerodynamic databases and portals
- Multi-disciplinary design optimization
- Wind energy and wind turbines

**Scope of Workshop**

'Hypersonic Aerothermodynamics'  
This workshop provides a forum for practicing Aerospace Engineers to understand the criticality of aerodynamic and aerothermodynamic loads on hypersonic vehicles. Experts, both from India and abroad, will share their experience with the audience.

There is no separate registration fee for this workshop. A maximum of one hundred and fifty registrants can be accommodated on first-come-first-serve basis. For further details on the workshop contact:

**Dr. P Theerthamalai, DRDL**

Phone: +91-40-24583585; 24340292

Fax: +91-40-24342371

Email: ptmalai@yahoo.com

**Call for Papers**

Extended abstracts of technical papers for presentation at SAROD- 2013 are solicited in the above mentioned areas. Abstract should have complete information, which includes title, author's affiliation, contact details, etc. The abstract should be minimum of two pages and to be mailed to: [sarod2013.review@gmail.com](mailto:sarod2013.review@gmail.com)

Submitted abstracts will be reviewed and authors of selected abstracts will be requested to submit the full length paper. The papers selected would be published in the symposium proceedings.

**About Organizer**

SAROD 2013 is being organized by ASL (Advanced Systems Laboratory) under the aegis of TAAI (Trust for Advancement of Aerodynamics in India). The one day Workshop on 'Hypersonic Aerothermodynamics' is jointly organized by ASL & DRDL.

ASL is a premier DRDO Lab specializing in design & development of strategic missile systems for Indian defence. Critical technologies for long range missiles including high performance solid propulsion systems, advanced composite structures for lightweight rocket motor cases & nozzles and re-entry vehicles have been developed by ASL. The Laboratory has demonstrated its scientific, technological & program management capabilities by successful development & induction of Agni series of ballistic missile systems.

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Recognition in front webpage	✓	✓	-	-
Recognition in Sponsors page	✓	✓	✓	✓
Color advt. in Souvenir	Full page	Full page	Half page	-
Logo Display	✓	✓	-	-
Brochure insertions for delegates	✓	✓	✓	✓
Complimentary registrations	10 nos.	6 nos.	4 nos.	2 nos.
Recognition at welcome reception	✓	✓	-	-
Exhibition stall	Double	Single	Single	-
Presentation	15 min	15 min	-	-

**Souvenir**

As part of SAROD-2013 a souvenir shall be released during the inaugural function. The souvenir will have collection of abstracts of technical papers, Invited talks & advertisements. It is an ideal platform for all aerospace industries to advertise their products/ services.

The following tariffs shall apply:

- Front Cover Inside (Color) - Rs.40,000  
Back Cover (Color) - Rs.30,000  
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