



06 - 08 Sept., 2023
IIT Tirupati, India

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29th International Conference on
**Processing and
Fabrication of
Advanced Materials**

Organised by



**NATIONAL DESIGN
AND RESEARCH FORUM**

IIT Tirupati

Welcome Message

Dear Colleague,

On the behalf of the organising committee, Department of Mechanical Engineering, Indian Institute of Technology Tirupati and National Design & Research Forum (NDRF) Bangalore India, we welcome you to the Twenty-Ninth International Conference on Processing and Fabrication of Advanced Materials (PFAM-XXIX) with a dedicated plenary session in the honor of Prof. Dr. R. K Ray. This is the 29th in the series of this triennial conference is going to be organised in India, and we at Tirupati aim to ensure an excellent experience to you and the accompanying person. We are expecting to host more than 400 delegates. Besides plenary talks, the conference will have parallel sessions, poster sessions, panel discussions, industry-academia interaction, award ceremony and cultural programs. In the spirit of PFAM' 29 conferences, there will be ample time for the talk and especially discussion following each talk.

We have planned a tour of nearby historical places and for discussions to initiate and build collaborations as well as socialization. We are aware of the diversity of the delegates and we have considered it while planning for food, sightseeing, accommodation etc. We have also planned cultural programs filled with classical dances and music of India.

End of August-early September is quite pleasant in Tirupati - with an excellent mix of sun and comfortable temperatures. With the backdrop of such a beautiful weather, we look forward to welcoming you!

Sincerely,



Dr. Mamilla Ravi Sankar
 (Conference Chairman)



Dr. Ajay Kumar
 (Co-Chair, Org. Sec. & Convener)



Dr. T. S. Srivatsan
 Prof. (Emeritus), Dept. of Mech.
 Eng., The Univ. of Akron, USA

Important Dates

- | | |
|--------------------------------------|-----------------|
| ○ Submission of Abstract | 15 April, 2023 |
| ○ Abstract Acceptance Intimation | 30 April, 2023 |
| ○ Early Bird Registration | 30 June, 2023 |
| ○ Full paper Submission | 15 July, 2023 |
| ○ Full Paper Acceptance Notification | 31 July, 2023 |
| ○ Regular Registration | 15 August, 2023 |

Student Awards

- Best Oral Paper
- Best Poster Paper
- Runner-up Oral Paper
- Runner-up Poster Paper

Patrons



Prof. K. N. Satyanarayana
 Director, IIT Tirupati, India



Er. Chinmay Debnath
 President, IEL, India



Dr. P. Raghothama Rao
 Chairman, NDRF, India

Eminent Speaker(s)



Prof. Ajay Malshe
 Purdue University, USA



Lt Gen Anil Kapoor
 AVSM, VSM (Retired)
 India



Dr. Balakrishna I
 Dy. Director/Scientist, Ministry of
 Electronics & Information Technology,
 GOVT. OF INDIA



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 CSIR AMPRI, India



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 Washington State University
 USA



Dr. Devinder Yadav
 IIT Patna, India



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 Pratt and Whitney, India



Prof. Guha Manogharan
 The Pennsylvania State University
 USA



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 BEL Bangalore India



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 NIT, Kurukshetra India



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 Stevens Institute of Technology
 USA



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 University of Miskolc, Hungary
 Lorraine University, France



Shri Laxmish Hasanabadi
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 Indian Institute of Technology
 Madras, India



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 Technology and Applied Research Centre
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 IIT BHU, Varanasi
 India



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 Director - CMTI
 India



Prof. Nagamani Jaya Balila
 IIT Bombay, India



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 Director of DRDO Industry
 Academia-Ramanujan Centre of
 Excellence, IIT Madras Research Park, India



Dr. O.P. Thakur
 Solid State Physics
 Laboratory, DRDO, India



Shri Pradeep Goyal
 Sr. VP (2022-23) & President-Elect(2023-24),
 ASM Int. Bangalore. Founder,
 Chairman & MD at Pradeep Metals Ltd



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 Indian Institute of Science
 Bangalore, India



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 Kalyani Centre of
 Technology & Innovation,
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 The Pennsylvania State University
 USA



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 Indian Institute of Technology
 Madras, India



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 Office, EERE, and DOE, USA



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Industry Focus Areas and Features

Aerospace and other space-related industries

Automobile, Marine and Defence

Biomedical and Healthcare

Electronics and Communications

Energy Storage/Harvesting

Heavy Equipment, Machinery & Goods

Semiconductor Materials Manufacturing

Academia-Industry Interaction

How to Reach:

By Air: Nearest airports are Tirupati Airport, Chennai Airport

- Tirupati Airport (TIR), Tirupati, Andhra Pradesh, IN – 14 KM from Tirupati city
- Chennai Airport (MAA), Chennai, Tamil Nadu, IN – 145 KM from Tirupati

By Rail: Tirupati is well connected from other major cities of India by rail network. Name of the station is Tirupati Railway Station (TPTY) and Renigunta Junction (RU)

By Road: All major cities of Andhra Pradesh, Hyderabad, Chennai and Bangalore are well connected to Tirupati by buses.

Distances to Tirupati from cities: Chennai – 134 KM, Vijayawada – 412 KM, Visakhapatnam – 755 KM, Bangalore – 248 KM, Hyderabad – 556KM

Committees

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Registration Fee

		Up to 30th June'23 (Early Bird)	Up to 15th Aug'23 (Regular)
Indian (INR)	Research Scholars / Students	₹ 3,500	₹ 4,000
	Delegates (Academic - Faculty, Post Doc. Fellows & Public Sector R&D)	₹ 8,000	₹ 8,500
	Delegates (Non Academic - Industry)	₹ 12,500	₹ 13,000
Foreign (USD)	Research Scholars / Students	\$ 180	\$ 230
	Delegates (Academic - Faculty, Post Doc. Fellows & Public Sector R&D)	\$ 350	\$ 400
	Delegates (Non Academic- Industry)	\$ 450	\$ 500

N:B: -Registration fees inclusive of 18 % GST

Few important sightseeing options in and around city U

Sri Venkateswara Temple, Tirupati (1 km from city center)

Sri Venkateswara Temple is the most revered and celebrated temple of Tirupati having tourists and pilgrims flooding in all year long. This is one of the holiest and the wealthiest temples in the world and millions of devotees flock here to pay their reverence.

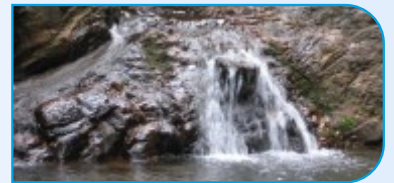
Around 50,000 pilgrims visit the temple every day, which is a massive number. Hence, a whole procedure has been planned and set up which effectively ends at the shrine for darshan. The entry for the Darshan is through Vaikuntam Queue Complex which is a series of interconnected halls that leads to the main temple. These halls are clean and comfortable with the various facilities provided.



Akasaganga Teertham, Tirupati (1.2 km from city center)

Akasaganga Teertham is a waterfall in Tirupati, located at a distance of 3 km from the main temple. The waterfall has water flowing all throughout the year and holds immense religious significance.

Pilgrims can also pay homage to the Devi temple situated very close to the waterfall. During the monsoons, the waterfall is a beautiful sight to the eyes.



Silathoranam, Tirupati (1.1 km from city center)

One of the natural marvels that history left behind, the Silathoranam, now, finds itself being an important landmark in archaeology and heritage. This is a natural rock formation, one of the only three of this kind in the world.

While geology and archaeology foster a number of theories, the rock formation is also tied to beliefs of its connection with the idol of Lord Venkateswara. The rock formation is a national monument and is protected by the State Government.



Swami Pushkarini Lake (0 km from city center)

Almost neighboring the Sri Venkateswara Temple, is Swami Pushkarini Lake. According to the legends, the lake belonged to Lord Vishnu and was located in Vaikuntham.

It was brought to the earth by Garuda, for the sport of Sri Venkateswara. Extremely holy, the pilgrims usually take a dip in the waters of this lake before proceeding to the main temple.



Sri Padmavathi Ammavari Temple (1 km from city center)

At a little distance from the main city area, one finds the Sri Padmavathi Ammavari Temple dedicated to Goddess Padmavathi. One of the many sacred structures of Tirupati, this one is home to many legends and stories about the Goddess.

The legend has it that while Akasha Raja of Thondamandalam was having a great yagna performed and had the earth ploughed, he found a little girl in a lotus flower, and hence the name. A voice from the skies asked him to love and bring up the child. As she grew up, she was married to Lord Venkateswara. The temple is frequently visited by the devotees on their spiritual trail around the town.



TTD gardens, Tirupati (4 km from city center)

Spreading over an area of 460 acres, the TTD gardens in Tirupati are known for their ornately decorated and manicured flower gardens. Alongside its lush green beauty, the garden also includes Alwar Tank, Mangalabhavi and Ananthapalligunta.

Flowers to the all the temples in Tirupati are supplied from this garden. They have an annual horticulture show and Pushpa Yagnam wherein exotic flowers are displayed for the visitors.



Chittoor (57 km from city center)

Steeped in religion, devotion and architecture, Chittoor is a place that everyone should visit at least once in their lifetime.

Also blessed with scenic beauty, cascading waterfalls and a beautiful hill station, Chittoor is not a disappointment to the traveller who seeks redemption from the busy metro life. Also known as the Mango City, Chittoor offers myriad varieties of heavenly mangoes to please its visitors.



Sri Venkateswara Dhyana Vignan (56 km from city center)

Established in the year 1980, the Sri Venkateswara Dhyana Vignan Mandiram in Tirupati is a museum that houses some of the most traditional articles that are used to perform Puja.

Many stone and wood carved items can also be sighted here. The museum is extremely beautiful and fills into you a sense of religious faith not easy to describe. This is one of the experiences, one must not miss while in Tirupati.



Sri Govindarajaswami Temple (0 km from city center)

Sri Govindarajaswami Temple is a 12th century Hindu Vaishnavite shrine built by Saint Ramanujacharya and is one of the biggest temple complexes in the district. The presiding deity is Lord Vishnu, also called Govindarajaswami. The beautiful traditional Dravidian architecture and its rich culture attract tourists in quite a large number every year.



Sri Varahaswami Temple (10 km from city center)

Standing to the north of Sri Venkateswara Temple is the Sri Varahaswami Temple which according to a lot, is said to belong to Sri Adi varahaswami. Various legends surround this temple.

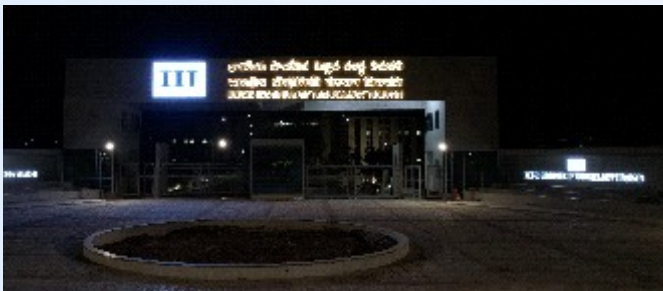
If visiting the Venkateswara temple, it is advised to first pay a visit to this temple. The reason behind this too finds roots in a legend, according to which Sri Varahaswami owned the seven hills. He agreed to hand them to Sri Venkateswaraswami, on the condition that he too, should be worshipped. Hence, Sri Venkateswaraswami asked his devotees, to first pay a visit to Sri Varahaswami and then to him.



Conference Venue



Indian Institute of Technology Tirupati, Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, Andhra Pradesh, India



Contact Us

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