



# GT India

## ASME 2019 Gas Turbine India Conference

December 5 - 6, 2019

Indian Institute of Technology Madras, Chennai, India





## Organizing Committee

### Conference Chair



**Mariasundaram Antony**  
GE Power

### Review Chair



**Prof. A M Pradeep**  
IIT Bombay

### Technical Program Chair



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Honeywell Engines &  
Power Systems

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Gas Turbine Research  
Establishment

## Gas Turbine Segment Leadership

### Vice Leader, Sector Council Representative

**Nicole Key**  
Purdue University

### Special Advisor

**Ruben Del Rosario**  
NASA



## Message from the Chair



ASME is proud to host the Gas Turbine India Conference 2019 in IIT Chennai on Dec 5 & 6. GT India Conference 2019 will bring together students, academia, technologists in Turbomachinery and for the first time we will also have the GT operators participate in the conference to learn the latest in Turbo-machinery technologies as well as deliberate on the best practices in the GT Industry. GT Industry is going through a phase of transformation and need for technologies to continue to push efficiencies through advanced material & cooling technologies makes it one of the most exciting contemporary mechanical engineering areas. GT India conference will deliberate on the Industry challenges, new technology areas like Additive, Digital with the experts in the Industry. We hope the conference will provide a platform for all the participants to network, learn and share with each other and help build collaborative partnerships to continue to push the boundaries of technology.



Mariasundaram Antony  
Conference Chair



# Technical Program

## Track 1

### Compressors, Fans and Pumps

- 1-1 Axial Flow Compressor and Fan
- 1-2 Centrifugal Compressor
- 1-3 Pumps

## Track 2

### Turbines

- 2-1 Turbine design-structures and dynamics
- 2-2 Turbine design-Aero and Thermal
- 2-3 Accessories and Auxiliaries
- 2-4 Computational analysis
- 2-5 Power plant and cycles

## Track 3

### Heat Transfer

- 3-1 Impingement and Leading Edge Cooling
- 3-2 General Heat Transfer
- 3-3 Combustor and Afterburners
- 3-4 Special Sessions
- 3-5 Heat Exchangers
- 3-6 Thermodynamic Cycle Analysis
- 3-7 Rib and Film Cooling
- 3-8 Secondary Air Systems and Seals

## Track 4

### Combustion, Fuels and Emissions

- 4-1 Gas Turbine Combustion-I
- 4-2 Gas Turbine Combustion-II
- 4-4 Multi-phase combustion-I
- 4-5 Theoretical and Computational combustion-I
- 4-6 Theoretical and Computational combustion-II
- 4-8 Premixed and non-premixed combustion
- 4-9 Multi-phase combustion-II
- 4-10 Combustion noise, emission and fuel

## Track 5

### Structures and Dynamics

- 5-1 Dynamics-1
- 5-2 Rotors
- 5-3 Bearings
- 5-4 Fatigue & Testing
- 5-5 Dynamics-2
- 5-6 Structural analysis





# Technical Program

## Track 6

### Renewable Energy (Solar, Wind)

- 6-1 Horizontal-axis Wind Turbines
- 6-2 Vertical-axis Wind Turbines
- 6-3 General Renewables
- 6-4 Solar Energy

## Track 7

### Inlets and exhausts

## Track 8

### Emerging Technologies (Hybrid Electric Propulsion, UAV,...)

- 8-1 Hybrid/ Electric Propulsion
- 8-2 Alternate Power Generation

## Track 9

### GT Operation and Maintenance

- 9-1 Industrial GT O&M
- 9-2 Aero GT O&M

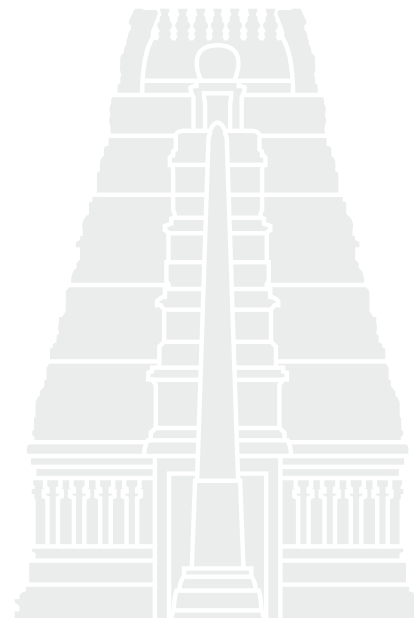
## Track 10

### Materials & Manufacturing (including Coatings, Composites, CMCs, Additive Manufacturing)

- 5-1 Dynamics-1
- 5-2 Rotors
- 5-3 Bearings
- 5-4 Fatigue & Testing
- 5-5 Dynamics-2
- 5-6 Structural analysis

## Track 11

### Analytics & Digital Solutions for Gas Turbines/Rotating Machinery





# Sponsorship Opportunities

## Platinum Sponsor

INR 700,000

- Complimentary 2x4 sq. m Booth
- Five (5) complimentary technical conference badges
- Full-page, 4-color ad in the final program
- Company featured prominently in the final program, show website, and show signage
- Company-provided banner displaying prominently at Show site
- Company-provided giveaway included in the attendee bag

## Silver Sponsor

INR 300,000

- 5% Booth Discount
- Two (2) complimentary technical conference badges
- Quarter-page, 4-color ad in the final program
- Company featured in the final program, show website, and show signage

## Banquet Dinner Sponsor

INR 400,000

- 2x2 sq. m Booth
- Four (4) complimentary technical conference badges
- Full-page, 4-color ad in the final program
- Company featured prominently in the final program, show website and show signage
- company-provided banner displaying prominently at show site

## Badge & Lanyard Sponsor

INR 150,000

- One (1) complimentary technical conference badges
- Quarter-page, 4-color ad in the final program
- Company featured in the final program, show website and show signage

## Gold Sponsor

INR 500,000

- 2x2 sq. m Booth
- Five (5) complimentary technical conference badges
- Full-page, 4-color ad in the final program
- Company featured prominently in the final program, show website, and show signage
- company-provided banner displaying prominently at show site

## Bronze Sponsor

INR 150,000

- 3% Booth Discount
- One (1) complimentary technical conference badges
- Quarter-page, 4-color ad in the final program
- Company featured in the final program, show website, and show signage

## Conference Kit Sponsor

INR 200,000

- One (1) complimentary technical conference badges
- Half page 4-color ad in the final program
- Company featured in the final program, show website and show signage

## Conference Final Program Sponsor

INR 200,000

- One (1) complimentary technical conference badges
- Half page 4-color ad in the final program
- Company featured in the final program, show website and show signage

# Exhibition Details

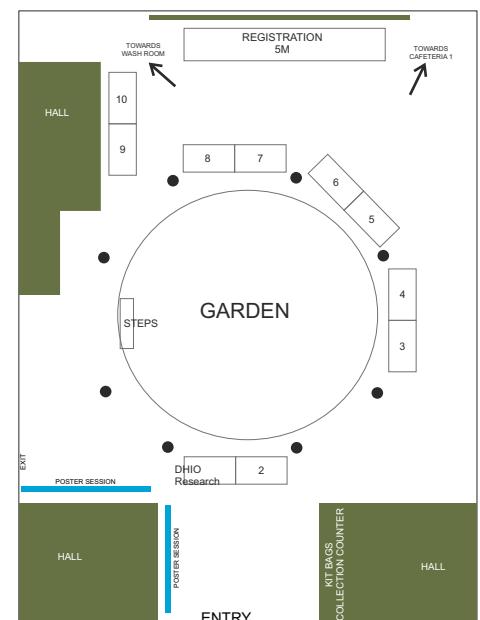
## Booth Details

- 2m x2m space: **INR 55,000**
- Octonorm shell using aluminum profiles with white infill panels
- Furniture - 1 table, 2 chairs, 1 brochure rack, 1 waste basket
- Light/power points

## Booth Purchase Includes:

- Three (3) booth personnel badges
- Daily lunches for booth personnel
- Company listing and logo in the final program
- Logo posted on show web site
- Onsite Show signage recognition
- One (1) complimentary technical conference badge, which receives:
  - Admission to all technical conference sessions
  - Admission to the keynote session and exhibit and receptions
  - Daily lunch and coffee
  - Professional Development Hours (PDH) certificate of completion

## Floor Plan





## Registration Details

| Registration Type     | Early Fee<br>Register by November 4, 2019 | Regular Fee<br>Register after November 4, 2019 |
|-----------------------|---|--|
| ASME Member           | INR 16,000                                | INR 18,000                                     |
| Non-Member            | INR 23,000                                | INR 25,000                                     |
| ASME Student Members* | INR 3,500                                 | INR 5,500                                      |
| Non-Member Student*   | INR 5,500                                 | INR 7,500                                      |

\*Current valid Student Identification Required

### Payment

- Please note that payment of all fees must be made in full and in cleared funds within 15 days of the submission of your registration. If you submit your registration less than 15 days prior to the first day of an event, then payment of all fees must be made in full and in cleared funds prior to attending the event.

### Payment Methods

- Credit or debit card via the secure payment gateway, AXIS Bank (Visa, MasterCard). AMEX card will be processed through ATOM Technology. Bank transfer: Information coming soon.

### Terms & Conditions

- Submission of an online registration is regarded as a firm booking and acceptance of these terms and conditions. Cancellation charges will apply for all bookings.

### Cancellation/Refund Policy

- Cancellations made through November 2, 2019 and November 13, 2019 will receive a full refund, less the INR. 2,000 administration fee plus GST. No refunds will be granted after November 13, 2019. Refunds will be processed after the conference. NO EXCEPTIONS. No-shows will not be eligible for refunds.

For registration inquiries, please contact us at [gtindia2019@mci-group.com](mailto:gtindia2019@mci-group.com) or [igtiprogram@asme.org](mailto:igtiprogram@asme.org)

## Conference Venue

IIT Madras occupies a unique position among the academic institutions in the country as a leader in executing a variety of industrial consultancy and sponsored research projects. The uniqueness lies in the wealth of world-class expertise and extensive modern facilities of the institute. The departments and research centers, manned by over four hundred and fifty highly qualified engineers, scientists and social scientists, cover wide-ranging areas of specialization. Over the past five decades, IIT Madras has served a large number of clients who have expressed great satisfaction. They include State and Central governmental agencies, public and private sector industries and international institutions. The role of the Centre for Industrial Consultancy and Sponsored Research (IC & SR) needs special mention in this context.

IC & SR is responsible for the promotion, facilitation, coordination and administration of all the sponsored and consultancy projects handled by the faculty of IIT Madras. We are proud to have been awarded the ISO 9001 Quality Certification. IIT Madras (IITM) is one of the first educational institutions in India, which initiated promotional activities with industries as early as 1973 with the philosophy of encouraging cross flow of knowledge and experience between the Institute and Industries.





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