



# 6<sup>th</sup> PAUL MEMORIAL COMBUSTION RESEARCHERS' MEET

and *Workshop on Combustion Science in Biomass,  
Fire & Instability-Science in the Aid of Practice*

## JAIN deemed-to-be University

JAIN deemed-to-be university is promoted by the JGI Group. It is among the top 5 private universities in Karnataka (KSURF rankings, 2017) and is ranked No. 21 in India (India Today rankings, 2017). JAIN is accredited by NAAC with Grade 'A' with score of 3.31 and has been provided Graded Autonomy by MHRD, Government of India. JAIN is a Multi Faculty University offering PhD, PG, PG Diploma and UG programs in Engineering & Technology, Sciences, Management, Commerce, Arts, Social Sciences and Law. JAIN has emerged as a preferred choice for students from all over India through its emphasis on Academic Excellence, Entrepreneurship Development, Sports, Extension Activities, Value Added Add-on courses, Research & Development in Frontier Areas, Industry Linkages, Collaborations and Unique Specializations. The student strength is 11000 + in 6 faculties. More than 380 foreign students from 38 countries study in JAIN.

Establishment of Fire & Combustion Research Center (FCRC) is an educational endeavour undertaken to promote research & development, training programmes and integration of academics with industry in the area of fire and combustion. Center is equipped with four audio-visual classrooms, laboratory and necessary computational infrastructure.

State-of-the-art experimental facilities and a chemistry lab is available. Center has a long standing collaboration with Underwriters Laboratories as a part of which, UL-Jain Fire Lab, a laboratory accredited by NABL is run by UL at the Center for testing active fire suppression products like firefighting foam, Dry Chemical Powders (DCP) and fire extinguishers. A solar pump test facility to evaluate solar pumping systems according to MNRE standards is also operational.

1 -2 MARCH 2019



## Prof. Palakat Joseph Paul [1950 - 2012]

Department of Aerospace Engineering of Indian Institute of Science, has contributed significantly to Research & Development in the areas of combustion instabilities and biomass gasification. His student community is spread across academic and R & D organisations of Government of India



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**JAIN**  
DEEMED-TO-BE UNIVERSITY

**FIRE & COMBUSTION  
RESEARCH CENTER**



## About Workshop

The researchers meet on combustion and fire is being conducted every year in memory of Prof P J Paul, an eminent scientist in the field of combustion, rocket propulsion and renewable energy. This meet will address the recent issues and developments in these areas.

The event provides a platform to talk about various scientific challenges and recent developments through series of presentations followed by intensive discussions. Faculty/senior researchers as well as students/younger researchers present their findings in the presentations.

The discussion space in the workshop is aimed at much higher levels than in standard conferences and includes research students from advanced institutions. This helps them progress in their field and provide inputs to mature as research scientists of significance.

This series has successfully completed five workshops hosted by prestigious institutions across the country. The first meet was hosted by Jain University, IIT-Madras, VSSC-Trivandrum, HEMRL-Pune

and DRDL-Hyderabad have hosted the event subsequently with participation of about 30 from outside the institutions and much larger active researchers from within the institution.

One of the reasons for holding these at different institutions is to integrate the flavour of the subjects dealt with in these institutions.

The current meet, 6th in the series, is once again hosted by Jain deemed-to-be University under its exclusive Fire & Combustion Research Center with a theme: '**Combustion Science in Biomass, Fire and Instability: Science in the Aid of Practice!**'. The key speakers of the event are the eminent scientist/researchers addressing their challenges in the said theme and it is hoped that it will continue to benefit the combustion community. Participation will be from several DRDO laboratories including HEMRL Pune, DRDL-HYD & CEFEES-Delhi.

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## Agenda

### March 1, 2019, Friday

- 0930 Introduction & Inauguration
- 1000 Session 1: **Propellant Combustion**  
Chairperson: BN Raghunandan  
Speakers: A.Ramesh, IIT-M, Manna, DRDL-HYD, MSR Chandramurthy, DRDL-HYD, Nidhin Olikara
- 1115 **Tea**
- 1145 Session 2: **Propellant Combustion**  
Chairperson: Aravind, HEMRL  
Speakers: Rohit, HEMRL, Varun Sivakumar, IIT-M, Reshmi, VSSC, Speaker from GTRE
- 1300 **Lunch**
- 1400 Session 3: **Propellant Combustion**  
Chairperson: Ramakrishna, IIT-M  
Speakers: Lazar, VSSC, Bijukumar, VSSC, Sowrirajaan, JU, Anirudha Ambekar, IIT-Goa
- 1545 **Tea**
- 1600 Session 4: **Fire**  
Chairperson: Desikan, UL-India  
Speakers: Rajesh Sabadhra, KV Fires, Shivakumar, JU, Basavaraj HN, JU
- 1745 End: **Day 1**

### March 2, 2019, Saturday

- 0900 Session 5: **Combustion**  
Chairperson: Joseph Mathew, IISc  
Speakers: Nagbhushana Rao, IIT-M Ramakrishna, IIT-M, Nikunj Rathi IIT-M, Ashoke De, IIT-K
- 1045 **Tea**
- 1100 Session 6: **Biomass Combustion**  
Chairperson: Dasappa, IISc  
Speakers: NKS Rajan, IISc, Sangeeta Kohli, IIT-D, Jaganathan, IIT-M, Rakesh Sharma, IISc
- 1300 **Lunch**
- 1400 Session 7: **Biomass Combustion**  
Chairperson: Svati Bhogle TIDE-BLR  
Speakers: Ravikumar, HARITHA, Bidhan, SYNERGY, Svati Bhogle, TIDE-BLR, Ajey, JU
- 1545 **Tea**
- 1600 End: **Day 2**