

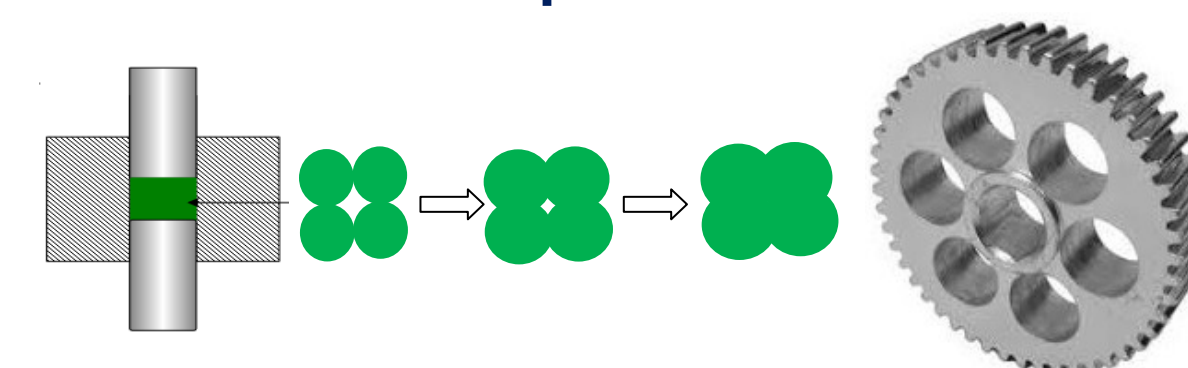


A Two day National Workshop

on

Powder Metallurgy and Advanced Ceramics

27-28th September 2018



Organized by
DEPARTMENT OF

METALLURGICAL AND MATERIALS ENGINEERING
RGUKT-Basar

in Association with

Powder Metallurgy Association of India

Advisory Board:

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Organizing Members

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REGISTRATION

Name: _____

Designation: _____

Organization: _____

DD No. _____ Amount _____

Date: _____ Signature _____

The Registration form duly completed, along with a registration fee paid through DD drawn in favor of 'The Director, RGUKT-Basar' payable at SBI, RGUIIT Campus Basar to the Convener.

Register online by clicking on

<http://www.rgukt.ac.in/pmac2018.html> and transfer the registration fee to the following account.

Name : The Director, RGUKT-Basar

Bank Name : RGUIIT CAMPUS BASAR

IFSC Code : SBIN0014154

Account No. : 33274421386

About Basar

Basar, the temple town and abode of Gnaana Saraswati is located on banks of holy river Godhavari. Basar temple is one of the oldest in the country where the goddess of knowledge Gnaana Saraswathi is worshipped. Basar is located 200 km away from Hyderabad and 40 km from Nizamabad.

About RGUKT

RGUKT Basar is a decade old government institute tapping the talent of meritorious students from Telangana and Andhra Pradesh after their 10th standard and transforms them into engineering graduates in several disciplines besides Metallurgical and Materials Engineering (MME). The university has fully residential campus and spanned in about 270 acres. Currently, there are about 6500 students in the campus mainly from rural areas of Telangana out of which 65% are girls. RGUKT Basar also offer M.Tech program in selected engineering disciplines. Stepping into its second decade, the visibility of RGUKT, Basar has already being felt in several leading centers of engineering industry, academia and Government institutions.

About The Department

MME department of RGUKT, Basar was established in the university in 2010 and nurtured by Prof. K. Bhanu Shankara Rao (Pratt and Whitney professor, UoH) and Prof. T Rajagopalachary. The department currently has got 8 faculty members. The department is well established with advanced research equipment for mechanical testing, life assessment & characterization. The Department facilities are extended for researchers and students on regular basis.

Major facilities available:

- ✓ Bruker's D8 DISCOVER X-ray Diffractometry
- ✓ Zeiss Merlin Compact FESEM
- ✓ Instron Servohydraulic Testing System
- ✓ Zwick Electromechanical UTM
- ✓ BISS High Cyclic Fatigue Testing Machine
- ✓ Creep Rupture Testing Machines
- ✓ BISS Friction Stir Welding Machine
- ✓ IVIUM Potentiostat
- ✓ Microwave Sintering Furnace

About the Workshop:

Powder Metallurgical methods of manufacturing consists of powder synthesis, pressing and sintering that results in components with near net shape with increased production while minimizing energy and waste. At the same time, advanced ceramics also start from specially synthesized powders with defined characteristics and lay a significant role in modern technological advancements in Electronics, communication, aerospace, biological, defense, sensing and actuation, automation, robotics, automotive and manufacturing sectors.

The workshop is aimed at bringing out the knowledge and expertise of the scientists, faculty and industrialists in Hyderabad area under one roof. The workshop also provides a platform for students and faculty from various engineering colleges to be informed of the latest developments through Lectures, Demonstrations, Interaction and Networking with the experts and each other.

Topics:

- ❖ Powder Synthesis and Characterization
- ❖ Oxide and Nonoxide Ceramics
- ❖ Shape Forming
- ❖ Compaction and Sintering
- ❖ Sintering Furnaces and Atmospheres
- ❖ High Pressure Consolidation
- ❖ Additive Manufacturing and Near Net Shape
- ❖ Composites and Coatings
- ❖ Applications in Defense, Aerospace, Energy and Environment



Powder Metallurgy association of India (PMAI):

PMAI is the premier organization for powder metallurgy (P/M) professionals in India and was founded in 1973. Currently, the association has approximately 800 life members and nearly 25 fellows. It is a national organization that promotes, encourages and nurtures the growth of Metal powder and P/M industries by stimulating the related activities in science and technology. PMAI trains industrial personnel and entrepreneurs through short term courses each year. Every year, during third week of February, an international conference along with annual technical meeting (ATM) is arranged where in several speakers from industry and research deliver lectures and deliberate on the recent advances in P/M world over. It also brings out annual Transactions (now twice annually) and proceedings on special occasions.

The 5th International conference of P/M in Asia (APMA 2019) is being hosted by PMAI in Pune during 18-21 February, 2019. The website is www.pmai.in.

Who May Attend?

Students, Faculty and Researchers from engineering colleges of Metallurgy, Mechanical and Materials Science including Physics and Chemistry

Registration Fee

| | |
|------------------------------|---------------------|
| Students | : Rs. 500/- |
| Faculty Members | : Rs. 1000/- |
| Business Executives/Industry | : Rs. 1200/- |

Important Dates

Last Date for online registration : **25th Sept. 2018**

*Registration fee includes a kit, food and accommodation

Date & Venue of Workshop

Date : **27-28th September, 2018**

Venue: AB-1 Auditorium, RGUKT Basar.

