



# DAE-BRNS National Conference on Development of RF Components for Accelerators

DRCA-2024

20<sup>th</sup> – 22<sup>nd</sup> June 2024

Venue: Multipurpose Hall, Training School Hostel, Anushakti Nagar, Mumbai – 400094.



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Radio Frequency (RF) technology is the backbone of all present accelerators. In this regard constant effort is being put for the development of high efficiency RF generators, passive and active RF components, efficient accelerating structures, efficient pulsed power supplies, LLRF system, fast and efficient control and instrumentation. About 200 Scientists and Engineers engaged in diverse fields of Microwave Vacuum devices (klystron, magnetron, thyratron, BWO Tubes), Solid state amplifiers for particle accelerators, HV pulsed modulators for RF sources, RF Control & Instrumentation, passive RF components, and EMI/EMC are likely to participate in this event. It will be conducted in physical mode. This is an effort to update and prepare roadmap for the indigenization of all RF components needed for particle accelerators in India.

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### Topics to be covered

- High Power RF Generators: Vacuum Tubes Technology
- Solid state RF amplifiers
- Active & Passive Components for RF accelerators
- RF accelerating Structures
- Simulation and Design of RF Components
- Testing and Diagnostics for RF components
- LLRF and EMI/EMC
- Radiofrequency in Pulsed Power Technology
- Vacuum techniques in development of RF components
- RF based charged particle sources
- Development of microwave devices & particle accelerators and their applications.



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### Sponsorship, Souvenir & Exhibition

Organisations in these fields are requested to contact the symposium organizers for sponsorship and promote their products and activities in DRCA-2024. For detailed information, please visit the Power Beam Society of India website: [www.powerbeamsociety.org](http://www.powerbeamsociety.org) or email to [drca2024@barc.gov.in](mailto:drca2024@barc.gov.in)

### Symposium Format

- Invited Talks, Oral & Poster Presentation
- Panel Discussions
- Technical Visits to Accelerator facility
- DRCA-2024 Best Paper Award

### Addresses for Correspondence

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### Venue:

Training School Hostel  
Anushakti Nagar, Mumbai – 400 094

### Registration Fees:

1. Local delegates/Faculty : Rs. 2000/-
  2. Student delegates : Rs. 500/-
  3. Industry participants : Rs. 5000/-
- Registration is compulsory for authors presenting papers.  
Bank Details for payment of Registration Fees will be communicated through the website shortly

### Important Dates:

1. Abstract Submission : April 20, 2024
  2. Intimation of Acceptance : April 25, 2024
  3. Submission of Paper : May 10, 2024
- Abstracts & Papers may be sent to [drca2024@barc.gov.in](mailto:drca2024@barc.gov.in)

