



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

DRCA-2024

20th – 22nd June 2024

Venue: DAE Convention Centre , 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.

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.

Venue:

DAE Convention Centre
Anushakti Nagar, Mumbai – 400 094

Registration Fees:

- Local delegates/Faculty : Rs. 2000/-
- Student delegates : Rs. 500/-
- Industry participants : Rs. 5000/-

Registration is compulsory for authors presenting papers.

Bank Details for payment of Registration Fees:

Bank : State Bank of India,
Branch : BARC Trombay, Mumbai
Account Name : DRCA 2024
Acc No. : 42839525354
IFSC Code : SBIN0001268

Important Dates:

- Abstract Submission : May 10, 2024
- Intimation of Acceptance: May 15, 2024
- Submission of Paper : May 25, 2024

Abstracts & Papers may be sent to drca2024@barc.gov.in

Organising Committee of DRCA-2024, BARC, Mumbai

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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.in or email to drca2024@barc.gov.in

Symposium Format

- Invited Talks, Oral & Poster Presentation
- Panel Discussions
- Technical Visits to Accelerator facility
- DRCA-2024 Best Paper Award
- Selected manuscripts will be published in reputed journal

Addresses for Correspondence

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