

Workshop on Detectors and Allied Instrumentation
(TIME TABLE)

Tuesday 22.11.2022, Day 1

Opening Session 09.30 - 10.30 AM	<i>Welcome Address</i>
	<u>Opening Remarks</u> <i>Prof. A. C. Pandey (Director IUAC)</i>
	<u>Keynote Address</u> <i>Dr. Amit Roy (Former Director IUAC)</i>
	<i>Vote of Thanks</i>
10.30 – 11.00	<i>Tea Break</i>

	<i>Prof. Sukalyan Chattopadhyay (SINP, Kolkata)</i> (Session Chairman)
11.00 – 12.00	<u>Introduction to Radiation Detection & Measurement</u> <i>Dr. P. Sugathan, IUAC New Delhi</i>
12.00 – 13.00	<u>Introduction to Gas Detectors</u> <i>Dr. Akhil Jhingan, IUAC New Delhi</i>

13.00 – 14.30	<i>Lunch Break</i>
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	<i>A. Jhingan, IUAC New Delhi</i> (Session Chairman)
14.30 – 15.30	<u>Introduction to Semiconductor Detectors</u> <i>Dr. K. Mahata</i> <i>Nuclear Physics Division, BARC, Mumbai</i>

15.30 – 16.00	<i>Tea Break</i>
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	<i>Dr. R. P. Singh, IUAC New Delhi</i> (Session Chairman)
16.00 – 17.00	<u>Introduction to Scintillator Detectors</u> <i>Dr. Tumpa Banerjee</i> <i>Nuclear Physics Group, VECC, Kolkata</i>

17.00 – 18.00	<i>Tea Break</i>
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18.00 – 19.00	<u>Particle and Radiation Detectors – Heavy Ion Research at GSI Helmholtz Centre</u> <i>Evening Seminar</i> Prof. H. J. Wollersheim <i>GSI – FAIR, Darmstadt, Germany</i>
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Wednesday 23.11.2022, Day 2

	<i>Prof. Devinder Mehta (Panjab University, Chandigarh)</i> (Session Chairman)
09.30 – 10.30	<u>Signal Processing Techniques</u> <i>Dr. R. K. Bhowmik, IUAC</i>
10.30 – 11.30	<u>Data Acquisition Systems</u> <i>Subramaniam E T, IUAC</i>

11.30 – 12.00	Tea Break
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	<i>Prof. B. R. Behera (Panjab University, Chandigarh)</i> (Session Chairman)
12.00 – 12.30	<u>Focal Plane Detector Systems for Recoil Mass Spectrometers</u> <i>Dr. Jagdish Gehlot, IUAC New Delhi</i>
12.30 – 13.00	<u>Detector systems for NAND and GPSC facilities</u> <i>Dr. N. Saneesh, IUAC New Delhi</i>

13.00 – 14.30	Lunch Break
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	<i>Prof. A. M. Vinodkumar (University of Calicut, Kerala)</i> (Session Chairman)
14.30 – 15.00	<u>Tools for gamma ray spectroscopy at IUAC</u> <i>Dr. R. P. Singh, IUAC New Delhi</i>
15.00 – 15.30	<u>Recoil Mass Spectrometer facilities at IUAC</u> <i>Dr. Subir Nath, IUAC New Delhi</i>

15.30 – 16.00	Tea Break
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	<i>Prof. B. P. Singh (Aligarh Muslim University)</i> (Session Chairman)
16.00 – 16.30	<u>NAND and GPSC facilities at IUAC</u> <i>Dr. K. S. Golda, IUAC New Delhi</i>
16.30 – 17.00	<u>Atomic and Molecular facilities at IUAC</u> <i>Dr. C. P. Safvan, IUAC New Delhi</i>

17.00 – 18.00	Tea Break
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18.00 – 19.00	<u>A glimpse of physics opportunities and detection assets of GANIL-SPIRAL2</u> Evening Seminar Dr. Antoine LEMASSON <i>GANIL CEA/DRF, CNRS/IN2P3, Caen, France</i>
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Workshop on Detectors and Allied Instrumentation

Thursday 24.11.2022, Day 3

	<i>Dr. S. Muralithar (IUAC, New Delhi)</i> (Session Chairman)
09.30 – 10.30	<u>Detector development activities at IUAC</u> <i>M. Kumar, IUAC New Delhi</i>
10.30 – 11.00	<u>Advances in Gamma-ray Detection for Nuclear Structure Studies and Applied Sciences</u> <i>Prof. R. Palit (TIFR, Mumbai)</i>
11.00 – 11.30	<u>Microchannel plate detectors in Nuclear Reaction studies</u> <i>Prof. Sunil Kalkal (TIET, Patiala, Punjab)</i>
11.30 -12.00	Tea Break
	<i>Prof. B. K. Nayak (HBNI-BARC, Mumbai)</i> (Session Chairman)
12.00 – 12.30	<u>Neutron detection techniques and their applications in nuclear reaction studies</u> <i>Dr. Kaushik Banerjee, VECC Kolkata</i>
12.30 – 13.00	<u>Detector development activities at BARC</u> <i>Dr. P. C. Rout, BARC Mumbai</i>
13.00 – 14.30	Lunch Break
	<i>Dr. N. Madhavan (IUAC, New Delhi)</i> (Session Chairman)
14.30 – 15.00	<u>Techniques in High Energy Gamma Ray Spectroscopy</u> <i>Prof. I. Mazumdar, TIFR Mumbai</i>
15.00 – 15.30	<u>Compact scintillator-based position-sensitive detector system for detection of photons and electrons</u> <i>Prof. Samit Mandal (Delhi University)</i>
15.30 – 16.00	Tea Break
	<i>Dr. S. S. Ghugre (UGC-DAE CSR, Kolkata Centre)</i> (Session Chairman)
16.00 – 16.30	<u>Digital Route to Gamma Spectroscopy:the Kolkata Context</u> <i>Dr. Rajarshi Raut, UGC-DAE CSR, Kolkata Centre</i>
16.30 – 17.00	<u>Scintillation Detectors : Eyes of Radiation Oncologist</u> <i>Dr. D. Siwal, Baba Farid University of Health Sciences, Faridkot, Punjab</i>
17.00 – 18.00	Tea Break
18.00 – 19.00	<u>Radiation detectors in nuclear and particle physics and some applications</u> Evening Seminar Dr. Archana Sharma <i>Experimental Physics Department, CERN Geneva, Switzerland</i>

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Friday 25.11.2022, Day 4

	<i>Prof. J. J. Das (Cotton University, Guwahati)</i> (Session Chairman)
09.30 – 10.15	<u>GEANT4 The physics simulation Toolkit</u> <i>Dr. Sonali Bhatnagar (Dayalbagh Educational Institute, Agra)</i>
10.15 – 11.00	<u>Detectors for Nuclear Physics Experiments at VECC</u> <i>Dr. Gopal Mukherjee, VECC Kolkata</i>

11.00 – 11.30	Tea Break
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	<i>Dr. D. C. Biswas (NPD-BARC, Mumbai)</i> (Session Chairman)
11.30 – 12.00	<u>Single crystal scintillators for nuclear radiation detection; basics to novel devices</u> <i>Dr. Mohit Tyagi, TPD-BARC Mumbai</i>
12.00 – 12.30	<u>Possibility of using diamond detectors in high current low energy experiments</u> <i>Dr. Chinmay Basu, SINP Kolkata</i>

12.30 – 14.30	Lunch Break
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	(Session Chairman)
14.30 – 15.30	<u>Summary Talk</u> <i>Dr. B. K. Nayak (Raja Rammana Fellow HBNI-BARC)</i>

15.30-16.00	Tea Break
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16.00 – 17.00	<u>Discussion Session</u> <i>Dr. A. K. Sinha (UGC DAE CSR, Indore)</i> (Session Chairman)
17.00	Closing