



Collaborative Research Scheme Projects
USERS' WORKSHOP
for utilization of Indus Synchrotrons Beamlines

April, 27-28, 2016

Organized by

**UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH, INDORE &
RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY, INDORE**



Proposals are invited from universities, colleges and research institutes for utilization of the beamlines at Indus synchrotrons under the Collaborative Research Scheme (CRS) of the UGC-DAE CSR, Indore. Details of Indus-1 and Indus-2 beamlines may be seen at the RRCAT web site <http://www.rrcat.gov.in>. Proposals may be submitted for the synchrotron beamline facilities at RRCAT as listed below in the fields of Materials Science, Environmental Science, Life Science, Trace Element Studies, Atomic and Molecular Physics, Microfabrication, Thin films and Surface Science, Geo Science etc.



| BEAM LINE FACILITY | | PRINCIPAL COLLABORATOR(S) & CONTACT DETAILS | | |
|-------------------------|----------------|---|--|------------------------------|
| Soft X-Ray Absorption | Indus-2: BL-1 | Dr. D. M. Phase & Dr. Mukul Gupta | dmphase@csr.res.in mgupta@csr.res.in | 0731-2463913 0731-2463913 |
| Soft X-Ray Reflectivity | Indus-2: BL-3 | Dr. M. H. Modi | modimh@rrcat.gov.in | 0731-2442121 |
| Imaging Beamline | Indus-2: BL-4 | Dr. Y. S. Kashyap & Mr. A. K. Agrawal | y.s.kashyap@gmail.com ashishka@rrcat.gov.in | 0731-2442176 0731-2442599 |
| X-Ray Lithography | Indus-2: BL-7 | Dr. V. P. Dhamgaye | vishal@rrcat.gov.in | 0731-2442123 |
| Dispersive EXAFS | Indus-2: BL-8 | Dr. S.N. Jha & Dr. D. Bhattacharyya | snjha@rrcat.gov.in dibyendu@barc.gov.in | 0731-2442104 022-25590343 |
| Scanning EXAFS | Indus-2: BL-9 | Dr. S. N. Jha & Dr. D. Bhattacharyya | snjha@rrcat.gov.in dibyendu@barc.gov.in | 0731-2442104 022-25593872 |
| Extreme conditions XRD | Indus 2: BL-11 | Dr. K. K. Pandey | kkpandey@barc.gov.in | 022-25592753 |
| Angle dispersive XRD | Indus-2: BL-12 | Dr. A. K. Sinha | anil@rrcat.gov.in | 0731-2442125 |
| X-Ray Fluorescence | Indus-2: BL-16 | Dr. M. K. Tiwari | mktiwari@rrcat.gov.in | 0731-2442123 |
| Protein Crystallography | Indus-2: BL-21 | Dr. R. D. Makde | ravimakde@rrcat.gov.in | 0731-2442175 |
| High Resolution VUV | Indus-1: BL-1 | Dr. S. N. Jha | snjha@rrcat.gov.in | 0731-2442104 |
| Angle Integrated PES | Indus-1: BL-2 | Dr.D.M.Phase & Dr. R. J. Choudhary | dmphase@csr.res.in ram@csr.res.in | 0731-2463913 0731-2463913 |
| Angle Resolved PES | Indus-1: BL-3 | Dr. S. N. Jha | snjha@rrcat.gov.in | 0731-2442104 |
| X-Ray Reflectivity | Indus-1: BL-4 | Dr. M. H. Modi | modimh@rrcat.gov.in | 0731-2442121 |
| Photophysics | Indus-1: BL-5 | Dr. B. N. Rajasekhar | bnrs@rrcat.gov.in | 0731-2488141 |
| Infrared spectroscopy | Indus-1: BL-6 | Dr. M. N. Deo | mndeo@barc.gov.in | 022-25590345 |

Principal collaborators as listed above may be contacted for the collaboration as well as to check the feasibility of the project before submission. Proposals with proper justifications for the use of the desired beamline facility may be sent to Centre-Director by e-mail (vganesan@csr.res.in) mentioning a subject as CRS_Indus_2016 (so as to reach us by March, 28, 2016) with the following particulars (i) Title (ii) Principal Investigator (iii) Resume of PI with List of Publications (iv) Co-Investigators (v) Principal Collaborator(s) (vi) List of Collaborators (vii) Project Plan consisting of One Page Synopsis, Definition of Problem, Scientific Justification, Experimental Plan With Beamline Facility Requirements (viii) Support Needed (Fellowship, Contingency/Consumables (in a limited amount), Travel Support). Following the receipt of the project-proposals, the USERS' WORKSHOP is planned to be held at RRCAT, Indore during April 27-28, 2016, for the presentation of the projects.

Dr. V. Ganesan

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