

List of Abstracts in Instrumentation and Techniques

| Name | Conference ID | Affiliation | Title of Abstract | Abstract Type as decided by SOC |
|-----------------------|---------------|---|---|---------------------------------|
| Shashi Bhushan Pandey | ASI2018_1746 | ARIES Nainital | 4KX4K CCD Imager for the 3.6m DOT and first light results | Contributed Talk |
| Kaushal Buch | ASI2018_1648 | GMRT, NCRA-TIFR | Initial Developments in the Design and Implementation of FPA Beamformer for the Expanded GMRT | Contributed Talk |
| AJAY | ASI2018_1672 | RATHEESH | Astrosat Cadmium Zinc Telluride Imager as a Short GRB Detector | Contributed Talk |
| Sreekanth Reddy V | ASI2018_710 | Indian Institute of Astrophysics | On sky testing of tip-tilt system system for 1.3 m telescope | Contributed Talk |
| Pragati Pradhan | ASI2018_698 | Penn State University, USA and St. Joseph | Exploring transient detection with WFI onboard Athena | Contributed Talk |
| Archita Rai | ASI2018_1174 | Physical Research Laboratory, IIT Gandhinagar | Near-Infrared Imaging Spectro-Polarimeter (NISP) instrument for PRL 2.5-m telescope. | Contributed Talk |
| Shiv Kumar Goyal | ASI2018_1260 | PRL, Ahmedabad | Supra Thermal & Energetic Particle Spectrometer (STEPS), onboard Aditya-L1 mission | Contributed Talk |
| Yogesh Wadadekar | ASI2018_861 | NCRA-TIFR | GMRT Archive Processing Project | Contributed Talk |
| Prasanna Deshmukh | ASI2018_428 | Indian Institute of Astrophysics | Error multiplier analysis of the PSMT Primary Mirror using the codeSMT. | Poster |

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| Mithun N P S | ASI2018_444 | Physical Research Laboratory, Ahmedabad | Solar X-ray Monitor on-board Chandrayaan-2 | Poster |
| AMITESH OMAR | ASI2018_553 | ARIES Nainital | A FOSC-type spectrograph for 3.6-m Devasthal Optical Telescope | poster |
| Mudit Kumar Srivastava | ASI2018_1731 | Physical Research Laboratory | Design of Mt. Abu Faint Object Spectrograph and Camera-Pathfinder (MFOSC-P) for PRL 1.2m Mt. Abu Telescope, India | Poster |
| Prashant Kumar | ASI2018_1319 | Physical Research Laboratory | Solar Wind Ion Spectrometer (SWIS-ASPEX) on-board Aditya-L1 Mission | Poster |
| Mohana Krishna.R | ASI2018_864 | IISc - ISRO | Optimum modulation for coronal field measurements on a space based observatory | Poster |
| Madhuri Siriprolu | ASI2018_1662 | Indian Institute of Science | Development and Studies on TPC GEM X-ray Polarimeter | Poster |
| Aarthy E | ASI2018_1281 | Junior Research Fellow | Near Infrared Polarimetry – an add on to NICS at MIRO | Poster |
| Kumar | ASI2018_964 | ARIES | Demonstration of suitability of observer based velocity estimation in distributed telescope control systems | Poster |
| Ramya M Anche | ASI2018_1692 | Indian institute of Astrophysics | Estimation of Instrumental polarization and Crosstalk for the Multi-Application Solar Telescope at Udaipur Solar Observatory. | Poster |
| Sheelu Abraham | ASI2018_470 | IUCAA, Pune, India | Application of Semantic learning in Astronomical Observatories | Poster |

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| Ravinder K Banyal | ASI2018_709 | Indian Institute of Astrophysics | Analysis of Iodine absorption lines for RV studies | Poster |
| Suryarao Bethapudi | ASI2018_1568 | Indian Institute of Technology Hyderabad | Separation of pulsar signals from noise using supervised machine learning algorithms | Poster |
| Nirmal K | ASI2018_1181 | Indian Institute of Astrophysics | Wavelength calibration of a tunable spatial heterodyne spectrometer | Poster |
| Raja Bayanna | ASI2018_591 | PRL/Udaipur Solar Observatory | Optical design of an adaptable Stokes polarimeter for exploring chromosphere magnetism | Poster |
| Jais Kumar | ASI2018_1665 | Department of Physics, IIT (BHU) Varanasi. | Polarization calibration and its need in radio astronomy | Poster |
| ARPAN GHOSH | ASI2018_1763 | Junior Research Fellow | Deep NIR photometry by using TIRCAM2 mounted on 3.6m Devasthal Optical Telescope ---Initial Results | Poster |
| Ajay Vibhute | ASI2018_743 | Inter University Center for Astronomy and Astrophysics | Bayesian spectrum reconstruction technique for Astrosat CZTI | Poster |
| Rahna P T | ASI2018_441 | Christ University, Bengaluru | Characterizing the in-flight performance of UVIT instrument and UV properties of a galaxy | Poster |
| Kapil Kumar | ASI2018_1717 | Physical Research Laboratory, Ahmedabad Gujrat | PARAS-2 High Resolution Fiber Fed Spectrograph | Poster |
| Ashish Mahabal | ASI2018_888 | Caltech | Deep Learning the Time Domain | Poster |

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| Nilesh Sadashiv Raskar | ASI2018_733 | NCRA-TIFR | Band-2 and Band-4 of Upgraded GMRT: Updates on time-domain and frequency-domain stability | Poster |
| Atharva | ASI2018_1669 | IISER Pune | GROWTH-India telescope | Poster |
| Santaji N Katore | ASI2018_924 | NCRA | Wideband primary beam measurements for the upgraded GMRT | Poster |
| Pramod Tanaji Padwal | ASI2018_1733 | NCRA-TIFR | uGMRT wideband phasing with automated RFI rejection techniques for pulsar observations. | Poster |
| Vinutha C | ASI2018_1734 | Raman Research Institute | SWAN (Sky Watch Array Network) Demonstrator: Development & Status. | Poster |
| Neelam J S S V Prasad | ASI2018_1714 | Physical Research Laboratory | PRL 2.5m Telescope | Poster |
| Arvind Balasubramanian | ASI2018_1679 | IISER Pune | Calculating the CZTI all-sky sensitivity to transients | Poster |
| Jayprakash R. Kamble | ASI2018_1478 | National Centre for Radio Astrophysics | Post Maintenance Quality Checks: Giant Metrewave Radio Telescope | Poster |
| SADHANA SINGH | ASI2018_1614 | JRF | Characterization of PyLoN1300 B CCD | Poster |
| Tanya Das | ASI2018_1571 | Indian Institute of Astrophysics | Development of a Fabry-Perot etalon stabilization system for Doppler Spectroscopy | Poster |

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| Rengaswamy Sridharan | ASI2018_1255 | Indian Institute of Astrophysics | Diffraction limited imaging with the Multi Application Solar Telescope (MAST) | Poster |
| Deekshya roy sarkar | ASI2018_1760 | employee | Near-Infrared Imaging Spectro Polarimeter(NISP) Electronics and Detector Interface Development | Poster |
| Ravindra Pawase | ASI2018_1620 | Maven Systems Pvt Ltd | Automatic detection and classification of solar radio bursts using machine learning and deep learning techniques | Poster |
| Jameer Manur | ASI2018_1219 | IUCAA | Faraday Rotation | Poster |
| Jigisha Patel | ASI2018_1745 | RRI, Bangalore | The dynamic spectral signatures from Lunar Occultation: A simulation study | Poster |