INTERNATIONAL CONFERENCE ON SMALL SATELLITES (ICSS2019)

DATES :07TH – 09TH FEB 2019

VENUE : RESEARCH CENTRE IMARAT (RCI), VIGNYANAKANCHA – P.O, HYDERABAD – 500069, TELANGANA, INDIA

Day – 1 (07.02.2019 Thursday): At RCI AUDITORIUM

TIME (HRS)	EVENT	REMARKS
08:15 – 09:00	Registration of Delegates	
09:00 – 13:15	**Conference Workshop – Morning Session**	
09:00-09:15	Introduction to Workshop : Prof. D.V.A RAGHAVA MURTHY - Professor VelTech University	
09:15-10:00	Lecture – 1: Prof. V. KESAVA RAJU - Professor, PES University	**Mission Design & Constellations**
10:00-10:45	Lecture – 2: Shri D.R.M SAMUDRAIAH - Former Deputy Director, SAC	**Payloads for Small Satellites**
10:45-11:00	**Tea Break**	
11:00-11:45	Lecture – 3: Shri EKKUNDI RANGANATH – Former Group Director, URSC	**Power System Design and Management**
11:45-12:30	Lecture – 4:Shri H S VASUDEVA MURTHY – Former Group Head, Data Handling & Storage System	**Satellite Data Handling , Health Monitoring and Maintenance**
12:30-13:15	Lecture – 5: Prof. V. SAMBA SIVA RAO - Director CORI , PES University	**RF Systems**
13:15 – 14:00	**Lunch Break**	
14:00 – 16:30	**Conference Workshop – Afternoon Session**	
14:00-14:45	Lecture – 6:Shri P. NATARAJAN - Former Deputy Director, URSC	**Attitude and Orbit Control System**
14:45-15:30	Lecture – 7: Shri C.D. SRIDHARA - Former Deputy Director, URSC	**Mechanical & Thermal Systems**
15:30-16:15	Lecture – 8: Dr. JHARNA MAZUMDAR–Head, Centre for Robotics Research, NMIT Bangalore	**Artificial Intelligence for Small Satellites**
16:15-16:30	Closing Remarks by Prof. D.V. A RAGHAVA MURTHY - Professor VelTech University	
16:30 – 17:30	**Tea and Networking/ Registration of Delegates**	

17:30 – 19:20	**Inaugural Session**
17:30-17:35	**Welcoming Dignitarieson to the Dais**
17:35-17:40	**Welcome Address by Chairman Organising Committee ICSS2019**
17:40-17:45	**Address by President, SENSORS RESEARCH SOCIETY**
17:45-17:50	**Address by President, SOCIETY FOR SMALL SATELLITE SYSTEMS**
17:50-18:00	**Address by Guest of Honour, Dr P S Goel, Former Secretary, Ministry of Earth Sciences**
18:00-18:10	**Address by Distinguished Guest, Dr. G. Satheesh Reddy, Chairman, DRDO**
18:10-18:20	**Address by Chief Guest,ShriSatish Chandra Jha, Chairman, NTRO**
18:20-18:30	**Release of Conference Proceedings, Presentation of awards and Felicitation**
18:30-19:15	**Key Note Address by Prof. GuglielmoAglietti, Director, Surrey Space Centre, University of Surrey**
19:15-19:20	**Vote of Thanks by Shri PSRS Sastry, Convenor ICSS2019**
19:20 Onwards	**Inauguration of Conference Exhibition**
19:30 Onwards	**Conference Dinner @ RCI Officers Mess Lawns**

Day – 2(08-02-2019 Friday)			
TIME (HRS)	**RCI AUDITORIUM**	**EXPOSITION HALL-1**	**EXPOSITION HALL-2**
08:15 – 09:00	Registration of Delegates		
09:00 – 09:30	**KEY NOTE ADDRESS BY Dr PS GOEL, Former Secretary, Ministry of Earth Sciences.**		
09:30 – 11:00	Session I (A) Satellite Constellation and Mission Design	Session I (B) Space Robotics and Mechanical Systems	Session I (C) Space System Engineering
09:30 – 09:50	IT – **ANUPAM SHARMA - PROJECT DIRECTOR, DLRL** **Latest Developments in Realization of Signal Intelligence Systems for Space Based Platforms.**	IT –**Dr. SAM DAYALA DEV- DIRECTOR, IISU** **Space Robotics**	IT – **Dr. DV A RAGHAVA MURTHY- PROFESSOR, VELTECH UNIVERSITY** **Systems Engineering aspects of Satellites for operational missions with a special attention to Micro Satellites**
09:50 – 10:10	IT – **Dr. AK SAXENA – DIRECTOR, ADRDE** **Space Recovery Module for Human Space Mission**	IT – **Dr. S SOMNATH - DIRECTOR, VSSC** **Small Satellites Launch Vehicle**	CP -120 :HEMANTH "Techno-Commercial Aspects of Space based Startups Ecosystem in India " JAIN: SAC CP-027: P Balasubramanian: DRDO RIC, IIT Madras "Design, development and validation of fault tolerant processor and Integrated Development environment for space and defence applications: Indigenous initiative."
10:10 – 10:20	CP-096: MamathaMaheshwarappa: University of Surrey, UK SDRs for Parallel Small Satellite Communications	CP-064: Venkata Sunil SaiNukala: LPSC, ISRO "Design and Development of Mass optimised Isolation Latch Valve for Chandrayaan 2 Lander Propulsion System"	CP-090: AniruddhaRanade: IIT Bombay Learning's from Pratham, First Student Satellite of IIT Bombay
10:20 – 10:30	CP-028: Devi Prasad Panda : DSST, RCI SATELLITE CONSTELLATION DESIGN STUDIES FOR MISSILE EARLY WARNING	CP-033: MakkuvaJanardhanababu:RCI "Experimental Research and Finite Element Analysis of Satellite Interface Joint confined by Honeycomb"	CP-066: T. Veeraiah: Mahindra EcoleCentrale Optimal Utilization of Spectrum Bands Using Doubly Cognitive Based MAC Protocol for Small Satellites
10:30 – 10:40	CP-099: Parthiban P: URSC, Bangalore Satellite Constellation Design for Disaster Management through a Novel Approach	CP-019: Dr P Rajendran:DLRL System Engineering for space based payload	CP-121: Dr.DhruviBharwad: SAC "Socio-Economic Impact of Satellite Communication with reference to DTHBroadcasting: Indian Perspective
10:40 – 10:50	CP-032:Rukmini. Banda:RCI LEO Satellite Constellation design for continuous coverage of a fixed location on Earth: Orbit Configuration and analysis	CP-039: Sajeendran BS: IISU "On-orbit real-time avionics package identification using vision based machine learning techniques"	CP-020:Sh T Anjibabu:DLRL System Integration for space based ELINT payload
10:50 – 11:00	CP-100: Thameemunnisha. M.: URSC, Bangalore Ensuring a Real Time Orbit for Image Processing	CP-031: G. Ramu: RCI Analytical Thermal Modeling of Deployable and Body Mount Solar Panel and its Comparison with Numerical Approaches for Small Satellite.	CP-011:Sudhir Porwal: DEAL A Quantitative Comparator of Heuristic Methods for Optimal Route in Hilly Terrain
11:00 – 11:20	Tea Break		

11:20 – 12:50	Session II (A) Space Payloads-1	Session II (B) RF SYSTEMS	Session II(C) Sensors for Space
11:20 – 11:40	IT – Mrs **MINAL SAWANT – Space Architect, XILINX , USA** **Xilinx 20 nm Space Adaptive FPGA for Next Generation Digital Payload Systems.**	IT – **ProfM. KRISHNA SWAMY – Former Project Director, URSC** **Design of RF Systems with emphasis on Small Satellites.**	IT –**Dr. DEAN BRENNER – DIRECTOR SPACE NAVIGATION& ELECTRONICS, HONEYWELL, USA** **MEMS Inertial Reference unit for Small Satellite Applications.**
11:40 – 12:00	IT – **Prof. I V MURALI KRISHNA –FORMER DRDO CHAIR** **Advances in Geo Spatial Technologies**	IT –**PARIMAL KUMAR–PROJECT DIRECTOR, URSC** **Small Satellite Communications.**	CP-046 : B.G.Nair : IAP CubeSat - UV spectrograph for studying atmospheres of planets orbiting M-dwarfs CP-065: Rajesh Ravi :LPSC Design and Development of a Piezo electrically Actuated MEMS Based Stand Alone Micro valve
12:00 – 12:10	CP-015:Dr A K Singh :DLRL Digital receivers for High Altitude EW applications	CP-014:Ms. Lalitha : DLRL Space based RF front end receivers	CP-002:Pradeep Kumar Dixena : ANURAG 44 Channels Multi-Sensors Interface CMOS IC for Telemetry Application
12:10 – 12:20	CP-058:Ram Saran: IRDE Real-Time Embedded Software for Stabilized Electro-Optical System	CP-113: S.Manjula: VELTECH Design and Performance Analysis of SubharmonicDownconversion Mixer for S-band Satellite Communication	CP-042:Nisha S. Dathan:IISU Study of concurrent piezo actuation and sensing on drift stability of CVGs
12:20 – 12:30	CP-013:Sh H Sudhir:DLRL Space based EW antenna and their applications	CP-005:RANJIT KUMAR DORA:Centum Electronics Limited RF Signal Conditioning Module for Digital Receiver	CP-129:Fayza K A : IIST Variable Optical true time delayusing cascaded ring resonator switches activated by electro absorption for Satellite Communications.
12:30 – 12:40	CP-081:S Chandrakanth:RCI Integrated high speed and high capacity BDH-SSR for small satellite applications	CP-112:Prasanna Ram:VELTECH Investigation of Beam Switching Phased Array Concept in Multi-layer Graphene based Active Antenna setup for Small Satellite Applications	CP-041:Ponmalar M:IISU Neural Network Based Machine Learning for Angular Position Sensor Of Satellite Mechanisms
12:40 – 12:50	CP-026:Deepa.B.G:DRDL Metamaterial based antenna for satellite application	CP-083:Manjit Kumar:RCI "Joint Estimation of the Direction of Arrival and Multi-Paths delay for MN Uniform Rectangular Antenna Array using Polynomial Method"	CP-122:SRIKAR: CENTUM CHALLENGES IN THE DESIGN OF A VERY HIGH SPEED DATA ACQUISITION SYSTEM FOR SPACE APPLICATION
12:50 – 13:30	Lunch Break		

13:30 – 16:00	Poster Session (More Information in Annexure 2)		
14:30 – 16:00	Session III (A) Space payloads- 2	Session III (B) Orbit and Attitude Control -1	Session III (C) Power Systems
14:30 – 14:50	IT – **ALEX DA SILVA CURIEL- HEAD R&D, SSTL** **Video Imaging from space on small satellites , addressing novel applications**	IT –**Dr. VINOD KUMAR –DPD, URSC** **Contemporary Small Satellites accomplishment and Related Technologies.**	
14:50 – 15:10	IT –**NILESH M DESAI – DEPUTY DIRECTOR, SAC** **Missions and Signal Processing Systems.**	IT –**Dr. ANIL KUMAR- DIRECTOR, DIRECTORATE OF SPACE SITUATIONAL AWARENESS** **Space Situational Awareness & Management**	CP-104: C.S. Madhusudhana:URSC Unified power system for small satellites CP-080:S. Loganathan: RCI High energy & high power lithium polymer cells for space and satellite application
15:10 – 15:20	CP-018:Smt N Sarada:DLRL Radar Finger Printing for space based system	CP-070:Jose Leonardo Ferreira: BRAZIL Compact Permanent Magnet Hall Thrusters for Brazilian Microsatellites	CP-006: Nesh J : CENTUM OVERVIEW OF SPACE GRADE POWER SUPPLY MODULES IN EMISAT
15:20 – 15:30	CP-017:Smt KalpanaDeo: DLRL Space based controller for payload operation	CP-118:Satheesha A L:URSC Mission and control configuration for spin to 3-axis stabilization for small satellite	CP-079:N Beebamma: RCI Optimized cell balancing system for lithium ion batteries
15:30 – 15:40	CP-127: T Torlotin : Syntony,France Small Satellites Ultra low energy GNS receiver.	CP-069: Roshini M: PESIT THE CONFIGURABLE ATTITUDE CONTROL SYSTEM(ACS) TEST SYSTEM DESIGN FOR RSAT	CP-098: Shwetank: URSC Design of FPGA driven data acquisition for solar panel characterization
15:40 – 15:50	CP-123:D Mallikarjuna Reddy:RCI A Novel space Based AIS Receiver Architecture for Maritime Surveillance	CP-044:Saumitra Barman : IITKH Fixed-Time Sliding Mode Satellite Magnetic Attitude Control	CP-078: Kumar Rahasyam : RCI Grounding Schemes for Small Satellites
15:50 – 16:00	CP-010: Manish Pratap Singh: DEAL Novel Seed Point Selection Technique for Dual Polarimetric SAR Images	CP-067: Arun Kumar Mahodaya: RCI Slew rate & control constraint spacecraft attitude manoeuvre switch with reaction wheel failure.	CP-016:Smt N Sreelakshmi : DLRL Space based Power Supply Module
16:00 – 16:15	Tea Break		

16:15 – 17:55	Session IV Business Session @ RCI Auditorium	
16:15 – 16:25	Corporate Presentation – 1	ANANTH TECHNOLOGIES LIMITED
16:25 – 16:35	Corporate Presentation – 2	APS- ASB PRIVATE LIMITED
16:35 – 16:45	Corporate Presentation – 3	XILINX
16:45 – 16:55	Corporate Presentation – 4	CENTUM ELECTRONICS LIMITED
16:55 – 17:05	Corporate Presentation – 5	ALPHA DESIGN TECHNOLOGIES PRIVATE LIMITED
17:05 – 17:15	Corporate Presentation – 6	ISRAEL AEROSPACE INDUSTRIES
17:15 – 17:25	Corporate Presentation – 7	ASTRA MICROWAVE PRIVATE LIMITED
17:25 – 17:35	Corporate Presentation – 8	ICON DESIGN AUTOMATION PRIVATE LIMITED
17:35 – 17:45	Corporate Presentation – 9	APOORVA IT SOLUTIONS PRIVATE LIMITED
17:45 – 17:55	Corporate Presentation – 10	SAI MICRO SYSTEMS PRIVATE LIMITED
17:55 – 18:30	Networking and Tea	
18:30 – 20:00	Cultural Program	
20:00 – 21:00	Dinner at RCI Auditorium	

Day – 3(09-02-2019 Saturday)

TIME (HRS)	RCI AUDITORIUM	EXPOSITION HALL-1	EXPOSITION HALL-2	AUDITORIUM BACK FOYER
08:15 – 09:00	Registration of Delegates			
09:00 – 09:30	KEY NOTE ADDRESS BYSALIZHAN SHARIPOV, COSMONAUT			
09:30 – 11:00	Session V (A) Space payloads -3	Session V(B) Orbit and attitude Control -2	Session V (C) Space Quality and Reliability	Session V (D) Student Competition.
09:30 – 09:50	**IT – ANINDYA BISWAS – DIRECTOR, IIRS-2, RCI** **Image Processing Technologies for Autonomous Navigation.**	IT – **ANTONY JAMES BARRINGTON-CEO, NEW SPACE SYSTEMS** **Sustainable commercialization of a Nation's Space Technology.**	IT – **Dr.D R M SAMUDRAIAH – FORMER DEPUTY DIRECTOR, SAC** **COTS for Space Applications**	Information on Student Competition is given in Annexure 1
09:50 – 10:10	**IT – Dr.JOEL KORSAKISSOK- PRESIDENT, SYNTONY** **Game changer in the location Business, currently commercializing innovative GNSS location solution, embedded receivers and simulations.**	IT – **GAUTAM MAHAPATRA- HEAD ER & IT, RCI** **Cyber security for Space Defence.**	CP-126: S. Mariottini: Space Level Reliability for High-Performance COTs Semiconductors CP-089: H V Harish :SPUR :Usage of COTS/EEE parts in Space Applications - An overview	
10:10 – 10:20	CP-049:Vinay Kumar: IRDE Design of Hyperspectral Imaging Sensor for Small Satellite in LEO.	CP-097:Monica Dantuluri: URSC "Real-Time Autonomous Navigation Scheme for Pointing Small Data Relay Satellite to LEO using NavIC and GNSS Measurements"	CP-101: R. JaishmiKirubaRajathi: URSC Quality Assurance for Assembly, Integration and Testing of ISRO Nanosatellites	
10:20 – 10:30	CP-034:Asheesh Kumar Gautam:DTRL Detection of Camouflaged Targets in Hyperspectral Images	CP-094:Riya :IIT BOMBAY Closed Loop Simulation for Attitude Control of Nano-satellite	CP-043: V. S. Biju:IISU Quality Assessment Techniques for Small Satellite Images.	
10:30 – 10:40	CP-047:Hem Shikha: IRDE Visible and Near Infrared Red (VNIR) Hyperspectral Payload Electronics	CP-068:Aaron Raja:Noorul Islam Centre for Higher Education, Kumaracoil, Thuckalay De-Tumbling Controller of NIUSAT: Design, Simulation and on Orbit Performance	CP-102: SharvariGundawar:URSC Deep Learning based Automatic Micro crack Inspection in space-grade solar cells.	
10:40 – 10:50	CP-053:Bharat Ram Meena:IRDE Opto-Mechanical design of Short Wave Infrared Camera for Small Satellite	CP-040:Sangeetha G R : IISU :Simulation of the Dynamics and Control of Tethered Small Satellite Deployment	CP-077:Swarna BaiArniker: RCI :Plastic Encapsulated Microcircuits (PEM) for Nano satellite Designers	
10:50 – 11:00	CP-054:Maneesh Pawar: IRDE Absolute Radiometric Calibration of VNIR Hyperspectral Imaging Payload	CP-074:R.Laxman: RCI Optimal Nonlinear Dynamic Inversion Based Flight Control System Design For An Aerospace Vehicle.	CP-125: Sucheta.K.H: URSC MICROSAT: Solar array exposed materials protection from atomic oxygen	
11:00 – 11:20	Tea Break			

11:20 – 12:50	Session VI (A) Space Payloads-4	Session VI(B) Satellite TTC Networks	Session VI (C) Student Competition.
11:20 – 11:40	IT – **Dr. ANIL KUMAR SINGH – DIRECTOR, DLRL** **Design and Development Of Space Antennas**	IT – **R SRINIVASAN- DEPUTY DIRECTOR, ISTRAC** **Satellite Ground Segment & TTC Networks**	Information on Student Competition is given in Annexure 1
11:40 – 12:00	**CP-045: Shanti Prabha: IIAP** **Spectroscopic Imaging of Nebular Gas: Cubesat based Spectrometer to explore Nebular Astrophysics** CP-057: Sandeep Mishra: IRDE Fabrication of segmented aspheric mirrors for Hyperspectral Imaging Camera	IT – **ARVIND IYER – DIRECTOR, SATELLITE ENGINEERING, ASTROME TECHNOLOGIES, INDIA** **Satellite Internet for the Developing World.**	
12:00 – 12:10	CP-024: K. S. R. Radhika: DMS SVH College of Engineering, Machilipatnam Image Fusion Techniques for Spatial Resolution Enhancement of AWiFS Sensor Data	CP-022: Smt UVV Krishnaveni: DLRL ELINT processor for space payload at ground control station	
12:10 – 12:20	CP-038:Garima Aggarwal: IIST Optimal Multiple Finite burn Strategies for Trans-Lunar and Interplanetary Missions	CP-082:D Mallikarjuna Reddy: RCI Ground Station for Tracking LEO Satellites	
12:20 – 12:30	CP-059: Vishal Bhushan: IRDE Optics Design of Hyperspectral Imager for SWIR channel	CP-021: P Naveen: DLRL Ground control station for data analysis for ELINT payload	
12:30 – 12:40	CP-060: Praveen KC : LEOS Development of AR Coating for Microsat Payload and Star Sensor Optical Elements	CP-:088 :Shwetank : URSC Design of Indian Navigation Satellite System based traffic management for entire city	
12:40 – 12:50	CP-056 : ShekharTomar : IRDE Weight Optimization of Primary Mirror used in EO Payload for Small Satellite hrough imaging spectroscopy	CP-:116: Dr K Meena : VELTEC Design and Development of New Path Detection for Route Map Navigation from high resolution Satellite Imagery	
12:50-13:30	Lunch Break		

13:30 – 14:30	Session VII
13:30 – 13:50	Business Prospects on Small Satellites byShriRakeshShashibhushan, CMD, ANTRIX Corporation Limited
13:50 – 14:10	Small Satellite EO/RS constellation by ShriSankaranSivaprakasam, Planet Labs
14:10 – 14:30	Journey to space – Economical and Exquisite by Dr.SreemathiKesan, CEO , Space Kidz, India
14:30 – 15:30	Session VIII Student session @ RCI Auditorium
14:30 – 14:40	Student Presentation – 1
14:40 – 14:50	Student Presentation – 2
14:50 – 15:00	Student Presentation – 3
15:**00** – 15:10	Student Presentation - 4
15:10 – 15:20	Student Presentation – 5
15:20 – 15:30	Student Presentation – 6
15:30 – 15:45	Tea Break
15:45 – 17:00	SESSION IX Panel Discussion-Business Prospects on Small Satellite Systems
17:00 – 17:30	Valedictory
17:00 – 17:05	Welcome by Prof D V A Raghava Murthy, Co-Chairman ICSS2019
17:05 – 17:10	Address by Chief GuestDr. V K Saraswat, Member, NitiAayog
17:10 – 17:20	Presentation of Awards (Best Student Presentation, Best Paper & Best Poster)
17:20 – 17:25	Closing Remarks by Shri K Rambabu, Co-Chairman ICSS2019
17:25 – 17:30	Vote of Thanks by ShriPradeep Kumar Agarwal, Convener ICSS2019

Annexure 1

INTERNATIONAL CONFERENCE ON SMALL SATELLITES (ICSS2019)

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VENUE : RESEARCH CENTRE IMARAT (RCI), VIGNYANAKANCHA – P.O, HYDERABAD – 500069, TELANGANA, INDIA

Day – 3(09-02-2019 Saturday) Student Competition at RCI Auditorium Back Foyer

TIME (HRS)	S.NO	NAMES	TOPIC
09:30 - 12:50	Team-001	St. ANN'S College of Engg& Technology, Chirala 1. Gunti Naga MalleswaraRao 2. Koki Sudheer Reddy 3. Manduri Siva Chandra Sekhar	Collision Avoidance technique for Nano satellites
	Team-002	PES UNIVERSITY (Crucible of Research and Innovation) 1. Prithvi S.J. Monteiro 2.Shreyas R 3. YashwantPindi 4. AnaghaMolkalmur	Collision Avoidance Technique for Nano satellites
	Team-003	HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCES 1. S. Bharadwaj 2. M. Vignesh	REMOVAL OF SPACE DEBRIS BY ELECTRIC WEBS
	Team-004	JayawantraoSawant College of Engineering,Hadapsar, Pune 1. MahabaleMansiYashwant 2. Ale RameshwarSubhash 3. DoifodeShubhamAnand 4. WankhadeKajalRajendra	Optical Technology for communication within constellation small satellite
	Team-005	JayawantraoSawant College of Engineering,Hadapsar, Pune 1. DeepaliShantaramRambhad 2. ShamliMilindBadve 3. Vaishali Raman Mahadik 4. Ashwini Kumar Pawar	De-orbiting techniques, Methodologies and Modules adoptable for Satellite

	Team-006	JayawantraoSawant College of Engineering,Hadapsar, Pune 1. Jageshwar Bharat Maske 2. Manish DeochandWanskar 3. RhutujaSalave 4. AnishaParit	Small satellite collision avoidance using radiometric motion sensor.
	Team-007	St. ANN'S College of Engg& Technology, Chirala 1.Sadhu Sandeep 2.SK.Sameer	Small Satellite Constellation for Disaster Management.
	Team-008	R V College of Engineering 1.Kaustav Kishore 2.Adarsh Agrawal 3.Paranjoy Basak 4.Suhas Poorna Chandra	Technical Presentation of RVSAT-1
	Team-009	IIT Bombay 1.Piyush Jirwankar 2.Ashay Wakode 3.Karan Jagdale 4.Neilabh Banzal	Advity - Second student satellite of IIT Bombay
	Team-010	JNTUK, Kakinada 1.T ChaitanyaKrishna 2.B VeenaPatnaik	Collision Avoidance between the satellite and space debris using artificial potential function contro method
	Team-011	DMS SVH College of Engineering 1.Kotte SyamSaiPhanindra 2. K Anusha	Small Satellites to revolutionize the Earth Observation Industry
	Team-012	St. ANN'S College of Engg& Technology, Chirala 1.Vamsi RatnaSubbaRao	Compact Micro strip MIMO Antennasfor small satellites Wireless Applications with improved Bandwidth and Isolation characteristics.
	Team-013	Velagapudi Ramakrishna Siddhartha Engineering College 1. V. Priyanka 2.G. Harika	Design of NPHSAT : A Small Cube for Agriculture Crop Monitoring Applications
	Team-014	BITS Pilani 1.Jeet Yadav 2.Vishnu P Katkoori 3.Gaurav Sharma 4.Jivat NeetKaur	Simulator for Verification of Sequence of Operations of a Nanosatellite

	Team-015	GITAM University, Hyderabad 1. P Yatish Chandra 2. ShailendraShekar	Antenna printing on solar panel
	Team-016	VelTechRangarajan Dr Sagunthala R&D Institute of Science and Technology, Chennai 1. DVA Raghavamurthy 2. Subramanian S 3. Balasubramanian E 4. EkanshuKhurana 5. SahadsanKhute	Development of deployable solar sail for de-orbiting applications in small and Nano satellites VelTechRangarajan Dr Sagunthala R&D Institute of Science and Technology, Chennai
	Team-017	BITS Pilani 1. NemishMurawat 2. ChiragPathak	Hyperspectral Imaging Protype for estimation of Chlorophyll
	Team-018	BITS Pilani 1. RitikaDiwan 2. VyomChaturvedi 3. ChintanMalde 4. Sundar G	Thermal Modelling of a Nanosatellite

Annexure 2

INTERNATIONAL CONFERENCE ON SMALL SATELLITES (ICSS2019)

DATES :07TH – 09TH FEB 2019

VENUE : RESEARCH CENTRE IMARAT (RCI), VIGNYANAKANCHA – P.O, HYDERABAD – 500069, TELANGANA, INDIA

Day – 2(08-02-2019 Friday)Poster Session at RCI Auditorium Back Foyer

TIME (HRS)	PAPER CODE	PRESENTING AUTHORS	OTHER AUTHORS	TITLE
13:30 – 16:00	ICSS-CP-003	Chandrashekar BK	1. SantoshJoteppa 2. VinodChippalkatti 3. Dr. P. Rajendran 4. Uma Ravindra. M	Vibration Analysis and Testing of Space Grade Stacked Power Supply Module (S PSM) Assembly
	ICSS-CP-004	Sharath BK	1. SantoshJoteppa 2. ShashankDibbi 3. VinodChippalkatti 4. Dr. P Rajendran 5. Uma Ravindra M	Thermal Investigation of Power Supply Module (QDR-PSM) for Space Application Using Numerical and Experimental Approach
	ICSS-CP-007	Santosh B L	1.Bhoopendra Kumar Singh, 2.Vinod Chippalkatti	Design & Development of EMI/EMC complaint Space grade Converter.
	ICSS-CP-008	Aneesh T. S	1.Bhoopendra Kumar Singh, 2.Vinod Chippalkatti	Forward converter with sync output for Space Application
	ICSS-CP-009	NAGARAJU T K	1.Sharath BK 2.BHOOPENDRA KUMAR SINGH, 3. SANTOSH JOTEPPA 4.VINOD CHIPPALAKATTI	Design & Performance challenges of power supply for Space Application.
	ICSS-CP-025	Dommati Ramakrishna, Sc 'D'	MadhusudhanaRao	Reliability Apportionment of Single Shot Application System
	ICSS-CP-029	Devi Prasad Panda Scientist 'D'	1.Kalpana Bandi 2.PSR Sastry	SAR Payload remote sensing mission analysis for global coverage
	ICSS-CP-030	G. Ramu,Scientist – D, RCI	PrateekNagvanshil	Analytical Approach to Calculate Thermal Capacitance of Thermal Buffer Mass which can be Useful for Satellite Electronic Packages that Operates Periodically.
	ICSS-CP-050	Shriniwash	1.Kaustubh Saurabh Singh 2.Ruma Dhaka 3.Rajeev Marathe	Novel Approach for Stabilization Accuracy Measurement

	ICSS-CP-051	KaustubhSaurabh Singh	1.Shriniwash 2.Ruma Dhaka	Novel Surveillance Algorithm for Stabilized Surveillance Sight
	ICSS-CP-052	Shashi Singh	1.Ram Saran 2.Surendra Kumar 3.Rajeev Marathe 4.Avnish Kumar	Embedded Electronics Design for Stabilized Electro-Optical (EO) Tracking System
	ICSS-CP-055	ShekharTomar	Bharat Ram Meena	Design of Primary Mirror Mount for Spaceborne EO Payload
	ICSS-CP-071	T.S.Balasubramanian		Supercapacitor Pack for Space Satellite Stage Separation Application
	ICSS-CP-072	MamathaMaheshwarappa	1.Saroj Kumar, 2.Sneha Velayudhan, 3.Sai ArunDharmik 4.Arpan Vasanth	Mission to 'Mars' - Crew 174
	ICSS-CP-073	Pradyumna R K	1. Sudeep M 2. Vishwajit V Gouda	Comparative Study of De-Orbiting Mechanisms for RVSAT-1
	ICSS-CP-075	B Narender	B Narender	A Technique to Evaluation for High Reliability Products based on Evidence Theory
	ICSS-CP-076	M.SanthanaKumari	M.SanthanaKumari	Methodology of the Integration Quality Control System for Satellite Development
	ICSS-CP-084	Dr.J.GeethaRamani	1. S.Giridharan 2. R.Abinaya 3. K.M.Rahul 4. C.Aswin Sharon	Miniature Lidar Sensor for Space Research
	ICSS-CP-085	T.Prabhu	1. S.Deni Johnson 2. R.Ramprabhu 3. D.Elavarasu 4. J.Anoint Joshua Paul	Remote Sensing using Cosmic Rays
	ICSS-CP-086	Dr.B.Sivasankari	1. J. Darshana 2. B.Affrudeen 3. S.N.Vairavel 4. R.Pramoth	Satellite Tracking System Utilizing RF Transceiver
	ICSS-CP-087	K.Sumathi	1. D.Hariharan 2. G.Hemanth Kumar 3. R.Kaviya 4. J.HariKrishna	Weather Monitoring Nano Satellite Using Microcontroller

	ICSS-CP-091	AdityaPatki	1.Karan Jagdale 2. MrigiMunjal	Design approach to Antenna Deployment System for Nano-Satellite applications
	ICSS-CP-092	AnmolSikka	1.Yash Sanghvi 2.Aniruddha Ranade	Quality Assurance Practices for Student Satellite Teams
	ICSS-CP-093	Shreeya Singh	1.Pushkar Lohiya 2. Abu Zubair 3. Hemil Kothari	Satellite Structure of Advitiy (Second Student Satellite of IIT Bombay)
	ICSS-CP-103	Nitish Kumar	1.SharvariGundawar, 2.G Krishna Priya, 3.Suresh E.P, 4.M Sankaran, 5.P. Kunhikrishnan	A Holistic Policy Approach to Space Based Solar Power Systems in India
	ICSS-CP-105		1. O. N. Niwhashini 2. Dr.HarshaSimha	Passive Magnetic Attitude Control ofCubeSats
	ICSS-CP-107		1. B.Shasidhar Reddy 2. S.Venkatesh 3. S.Yashwanth Reddy 4. Prasanna Ram	Customization of Nano material based electrical bonding link for space circuits
	ICSS-CP-108		1. Santhosh 2. HarshavardhanRaju 3. Tejasai	Superconducting material composite based Flexible PCB for Cube Sat applications
	ICSS-CP-109		1. Robin Joshua 2. SaiDvijesh 3. Lakshmi Durga	Rectenna based sensor front End design for satellite collision detection applications
	ICSS-CP-110		1. R.Jayasainath 2. G.Ashok Kumar 3. B.Meghana	Replacing Copper with Graphene Conductive Ink and Graphene Composites for High Bandwidth Space AntennaDuality Applications
	ICSS-CP-111		1. SadiveLaxmi 2. K. AmeerBabu 3. NarayanaNelluri	Transparent polystyrene substrate based graphene antennas for CubeSat applications

	ICSS-CP-124	Abishek Josh Wilson	1. Kirithika Devi. V 2.Rishi P.L. 3. Sanjanaa.S 4.Prabhu.T	Propulsion system for Cubesat / Nanosat using centripetal force by Electromagnetism
	ICSS-CP-128	BJ RAJESH	K SYAM SAI PHANINDRA	EM Drive – An innovative Rocket engine.