

UL SPACE CLUB, KOZHIKODE**WEBINAR SERIES**

| SESSION | DATE | TOPIC | SPEAKER & PANELIST |
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| 2020 - WEEKLY WEBINARS | | | |
| 1 | May 23 | EXPANSION OF UNIVERSE | DR JAYANTH MURTHY SENIOR PROFESSOR, IIA |
| | | PANEL DISCUSSION | DR ANANTHAKRISHNAN CUSAT |
| | | | SHRI P J BHAT URSC - ISRO |
| | | | SHRI K JAYARAM MCF - ISRO |
| SHRI MANAS BAGCHI RSC & PLANETARIUM, KOZHIKODE | | | |
| 2 | May 30 | SKY - AN ENDLESS CANVAS | SHRI THARANATH RAMACHANDRAN ASTRONOMY SOCIETY OF KERALA, KOCHI |
| | | PANEL DISCUSSION | SHRI SURENDRAN PUNNASSERY AMATEUR ASTRONOMER |
| | | | SHRI SUKUMAR AMATEUR ASTRONOMER |

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| 3 | June 06 | NEW KIND OF RADIATION THAT CHANGED THE WORLD | DR SUJITH A NIT CALICUT |
| | | PANEL DISCUSSION | DR MUHAMMED SHAHIN T, UNIVERSITY OF CALICUT |
| | | | SHRI PREMACHANDRAN K V |
| 4 | June 13 | BEAUTY OF MATHEMATICS | ABHINAND P S, STUDENT FELLOW, UL SPACE CLUB |
| | | PANEL DISCUSSION | R PT RAMACHANDRAN, HOD, MATHEMATICS UNIVERSITY OF CALICUT |
| | | | DR C P MOHAMMED FORMER PROFESSOR |
| 5 | June 20 | CREW DRAGON - DAWN OF A NEW ERA IN HUMAN SPACE FLIGHT | DR B R GURUPRASAD bISRO BANGALORE |
| | | PANEL DISCUSSION | SHRI P J BHAT URSC - ISRO |
| | | | SHRI K JAYARAM MCF - ISRO |
| 6 | June 27 | UNDERSTANDING EARTHQUAKES | DR K GANESH RAJ RRSC-ISRO BANGALORE |
| | | PANEL DISCUSSION | DR PRADEEP G S KSDMA |
| | | | SHRI SALEEM N K HSST |

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| 7 | July 04 | QUANTUM MECHANICS - AN ELEMENTARY INTRODUCTION | DR JYOTHI BASU SRA INDIA |
| | | PANEL DISCUSSION | DR M P KANNAN UNIVERSITY OF CALICUT DR SUJITH A NIT CALICUT |
| 8 | July 11 | HEY, TIME TRAVEL IS POSSIBLE | ASHIQUE YOOSAF, STUDENT FELLOW, UL SPACE CLUB |
| | | PANEL DISCUSSION | DR RAVIKUMAR C D, UNIVERSITY OF CALICUT DR AJITHKUMAR B P IUCAA |
| 9 | July 18 | CLIMATE CRISIS AND SIXTH EXTINCTION | DR ABHILASH S CUSAT |
| | | PANEL DISCUSSION | DR M K RAVI VARMA NIT CALICUT DR MUHSIN MOHAMMED DST NPDF |
| SPECIAL PROGRAM 1 | July 21 | MEMOIR OF AN ERA (Moon Day Special) | PADMASHRI DR. MYLSWAMY ANNADURAI, ISRO |
| MOONDAY SPECIAL PROGRAM | | | |

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| 10 | July 25 | GLOBAL POSITIONING SYSTEM | DR M R SIVARAMAN SAC-ISRO |
| | | PANEL DISCUSSION | DR RAJAT ACHARYA SAC - ISRO |
| | | | DR ASHISH KUMAR SHUKLA SAC - ISRO |
| | | | DR T K SUNDARAMURTHY URSC - ISRO |
| SPECIAL PROGRAM 2 | July 27 | KALAM MEMORIAL TALK | SHRI P N SUBRAMANIAN, VSSC- ISRO |
| KALAM MEMORIAL SPECIAL PROGRAM | | | |
| 11 | August 01 | SPACE AND EDUCATION | DR S RANGARAJAN MCF - ISRO |
| | | PANEL DISCUSSION | DR YVN KRISHNA MURTHY IIST |
| | | | SHRI P PADMANABHAN URSC - ISRO |
| SPECIAL PROGRAM 3 | August 02 | INTERACTION WITH MOONMAN | PADMASHRI DR MYLSWAMY ANNADURAI ISRO |
| SPECIAL INTERACTION PROGRAM | | | |

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| 12 | August 08 | BLACK HOLES AIN'T SO BLACK | BHARATH SREEJITH STUDENT FELLOW, UL SPACE CLUB |
| | | PANEL DISCUSSION | DR SOBHAN P S FORMER PROFESSOR DR N SHAJI FORMER PROFESSOR |
| 13 | August 15 | INTRODUCTION TO SPACE TECHNOLOGY | DR N SUNDARARAJAN ISRO |
| | | PANEL DISCUSSION | SHRI P J BHAT URSC - ISRO ABHINAND P S, STUDENT FELLOW, UL SPACE CLUB |
| 14 | August 22 | SCIENCE TOMORROW | SHRI C RADHAKRISHNAN ASTROPHYSICIST & NOVELIST |
| | | PANEL DISCUSSION | SHRI M RAGHUNATH |
| 15 | August 29 | EXOPLANETS & SEARCH FOR HABITABLE WORLD | DR ANAND NARAYANAN IIST |
| 16 | September 05 | MATHS IN NATURE, LIFE AND OF COURSE, IN SPACE | SHRI PRASANNA G VSSC - ISRO |
| 17 | September 12 | SPECIAL PROGRAM WITH IIST | DR V K DADHWAL IIST |
| | | DREAMING BEYOND THE CLOUDS | DR UMESH KADHANE IIST |
| | | INTRODUCTION TO FLIGHT | DR SATHEESH K IIST |

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| 18 | September 19 | ELECTROCHEMISTRY : THE PHILOSOPHY AND SCIENCE | DR MUHAMMED MUSTHAF IISER, PUNE |
| 19 | September 26 | THERE IS A CHEMISTRY IN EVERYTHING AROUND US | DR SHANEETH M VSSC - ISRO |
| 20 | October 03 | EARTH'S ENVIRONMENT AND IT'S DIAGNOSIS FROM SPACE | DR K RAJEEV SPL, VSSC - ISRO |
| SPECIAL PROGRAM 4 | October 05 | INDIAN SCENARIO ON ENVIRONMENT & SUSTAINABLE DEVELOPMENT THROUGH REMOTE SENSING SATELLITES | DR YVN KRISHNAMOORTHY IST & DR K GANESH RAJ RRSC - ISRO |
| WORLD SPACE WEEK SPECIAL PROGRAM | | | |
| SPECIAL PROGRAM 5 | October 07 | INDIAN STRENGTH IN COMMUNICATION , NAVIGATION, DISASTER RISK REDUCTION THROUGH SATELLITES | DR S RANGARAJAN - ISRO & DR V S HEGDE ANTRIX |
| WORLD SPACE WEEK SPECIAL PROGRAM | | | |
| SPECIAL PROGRAM 6 | October 08 | SPACE WEEK CELEBRATIONS (Talks and interaction by 3 students) | NAVANEETH S, ABHIRAM T P, FEBIN FIRSHAD STUDENT MEMBERS UL SPACE CLUB |
| WORLD SPACE WEEK SPECIAL PROGRAM | | | |

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| SPECIAL PROGRAM 7 | | | |
| WORLD SPACE WEEK SPECIAL PROGRAM | October 09 | GREAT EXPLOSION TO VENGEFUL CORPSES | ABHINAND P S STUDENT FELLOW, UL SPACE CLUB |
| 21 | October 10 | MELTING ICE & CLIMATE CHANGE STATUS AND VIEW FROM SPACE | DR THAMBAN MELOTH NCPOR, GOA |
| 22 | October 17 | RADIO ASTRONOMY: A SUCCESS STORY OF INDIAN SCIENCE | DR RAJARAM NITYANANDA FORMER DIRECTOR, NCRA, PUNE |
| 23 | October 31 | NOBEL NOD FOR BLACK HOLES | SHRI MANAS BAGCHI RSC & PLANETARIUM, CALICUT |
| 24 | November 07 | AN INTRODUCTION TO BIOTECHNOLOGY | DR. SONIYA E V RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY |
| SPECIAL PROGRAM 8 | | | |
| WEBSITE SPECIAL PROGRAM | November 14 | UL SPACE CLUB WEBSITE INAUGURATION AND SPECIAL TALKS | PROF (DR) M K JAYARAJ VICE CHANCELLOR, UNIVERSITY ALICU & DR LAJISH V L UNIVERSITY OF CALICUT |

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| 25 | November 14 | DREN'S DAY CELEBRATIONS : CHACHA NEHRU AND HIS CONTRIBUTIONS TO INDIAN SCIENCE SCENARIO | VARUN K STUDENT FELLOW ARISH V, AADHIDEV A STUDENT PRODIGIES UL SPACE CLUB |
| 26 | November 21 | SATELLITE COMMUNICATIONS AND ITS APPLICATIONS | SHRI NEELAKANTAN N ISRO |
| 27 | November 28 | ADVANCES IN COMPUTING AND INTELLIGENT SYSTEMS | DR LAJISH V L UNIVERSITY OF CALICUT |
| 28 | December 05 | CURRENT STATUS OF OUR ENVIRONMENT | DR AJI PETER BRUNEL UNIVERSITY, UK |
| 29 | December 12 | PLANTS FOR FEEDING THE WORLD AND CLEANING THE WATER BODIES | DR SUSAN EAPEN BARC |
| 30 | December 19 | SCIENCE AND TECHNOLOGY FOR SOCIETY | PADMASHRI M CHANDRADATHAN SCIENTIFIC ADVISOR TO CHIEF MINISTER OF KERALA |
| 31 | December 26 | THE WONDERFUL WORLD OF INSECTS | DR K RAJMOHANA ZSI KOLKATA |
| 2021 - MONTHLY WEBINARS | | | |
| 32 | January 09 | TRAVEL BEYOND EARTH'S ORBIT | SHRI S INGERSOL LPSC - ISRO |

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| 33 | February 13 | 60 YEARS OF MISSILE DEVELOPMENT - DRDO | SHRI P VENUGOPALAN FORMER DIRECTOR, DRDL - HYDERABAD |
| SPECIAL PROGRAM 9 | February 28 | SEARCHING FOR EINSTEIN'S MESSENGERS: CHALLENGES AND OPPORTUNITIES | DR NIKHIL MUKUND MENON MAX PLANK INSTITUTE, GERMANY |
| SCIENCE DAY SPECIAL PROGRAM | | | |
| 34 | March 12 | ODYSSEY TO THE RED PLANET | Ms NANDINI HARINATH URSC - ISRO |
| 35 | April 09 | SPACECRAFT MECHANISMS | Shri N S MURALI URSC - ISRO |
| 36 | May 08 | ORBIT DYNAMICS | Shri SUBRAMANNIAN B URSC - ISRO |
| SPECIAL PROGRAM 10 | May 23 | WEBINAR SERIES ANNIVERSARY CELEBRATIONS AND E - MAGAZINE LAUNCH | DMASHRI M CHANDRADATHAN FORMER DIRECTOR, VSSC - ISRO |
| WEBINAR SERIES ANNIVERSARY SPECIAL PROGRAM | | | |

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| SPECIAL PROGRAM 11 | | | |
| SATELLITE TECHNOLOGY SPECIAL PROGRAM | May 30 | WORKSHOP ON SATELLITE TECHNOLOGY SESSION 1 | STUDENT FELLOWS UL SPACE CLUB |
| 37 | June 12 | SOLAR CELLS & ARRAYS: AN OVERVIEW | MS KRISHNA PRIYA GANESAN URSC - ISRO |
| SPECIAL PROGRAM 12 | | | |
| SATELLITE TECHNOLOGY SPECIAL PROGRAM | June 13 | WORKSHOP ON SATELLITE TECHNOLOGY SESSION 2 | SHRI T K SUNDARAMURTHY URSC - ISRO |
| SPECIAL PROGRAM 13 | | | |
| SATELLITE TECHNOLOGY SPECIAL PROGRAM | June 27 | WORKSHOP ON SATELLITE TECHNOLOGY SESSION 3 | SHRI K JAYARAM MCF - ISRO |
| 38 | July 03 | MACHINE LEARNING: WHAT IS IT AND WHY SHOULD WE CARE? | PREETHI JYOTHI IIT BOMBAY |

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| SPECIAL PROGRAM 14 | | | |
| KALAM MEMORIAL SPECIAL PROGRAM | July 27 | WORKING WITH DR KALAM, MY REMINISCENCES | PROF N SUNDARARAJAN VSSC - ISRO |
| 39 | August 14 | ENVIRONMENTAL TESTING OF SATELLITES: WHAT, WHY AND HOW? | SHRI RAMESH NAIDU V URSC - ISRO |
| 40 | September 11 | ARE WE ALONE? | ARYA RAJ UL SPACE CLUB MEMBER |
| | | INTRODUCTION TO NEWTONIAN MECHANICS | NAVNEETH S UL SPACE CLUB MEMBER |
| | | SPACE TECHNOLOGY FOR A BETTER TOMORROW | ABHIRAM T P UL SPACE CLUB MEMBER |
| | | PANEL DISCUSSION | DR YVN KRISHNA MURTHY IIST SHRI P J BHAT URSC - ISRO |
| SPECIAL PROGRAM 15 | | INAUGURATION & TALK ON TECHNOLOGY DISRUPTIONS IN SPACE TECH | SHRI S SOMANATH DIRECTOR, VSSC & IIST |
| WORLD SPACE WEEK SPECIAL PROGRAM | October 09 | LIFE INTO SPACE: AN INTRODUCTION TO SPACE BIOLOGY | DR K G SREEJALAKSHMI ASSOCIATE PROFESSOR, IIST |

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| 41 | November13 | BRAIN MACHINE INTERFACE SYSTEMS - TRANSLATING THOUGHTS TO ACTIONS | DR VINOD A PRASAD PROFESSOR OF ENGINEERING PRACTICE, THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY |
| 42 | December 11 | THE CRISIS IN CLASSICAL PHYSICS AND THE RISE OF A NEW SYSTEM | DR M N R NAIR MER AGM ,SBI AUTHOR & WRITER |
| 2022 - MONTHLY WEBINARS | | | |
| 43 | January 08 | THE JAMES WEBB TELESCOPE AND THEREAFTER | DR JOE JACOB ASTROPHYSICIST & EXECUTIVE MENTOR, ASTRONOMICAL SOCIETY OF INDIA |
| 44 | February 12 | SCIENCE OF CLIMATE CHANGE: NEW SCIENTIFIC APPROACHES & RESEARCH OPPORTUNITIES | DR SABIN T P SCIENTIST E, INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE |
| SPECIAL PROGRAM 16 | February 28 | MESSAGE ON INSPIRESat -1 | DR Y V N KRISHNA MURTHY REGISTRAR, IIST |
| SCIENCE DAY SPECIAL PROGRAM | | NATIONAL SCIENCE DAY TALK 2022 | DR M K RAVI VARMA PROFESSOR, NIT CALICUT |

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| 45 | March 12 | ORIGIN OF LIFE - ISRO's EFFORT ON SUB ORBITAL HIGH ALTITUDE BALLOON EXPERIMENTS | DR C B S DUTT NRSC - ISRO |
| 46 | April 09 | MICROBES: OUR INVISIBLE YET INDISPENSABLE PARTNERS IN ACTION | DR MEENU PADMANABHAN BAYER CROP SCIENCE, St. LOUIS, USA |
| 47 | May 14 | ENTROPY: CONCEPTS, MISCONCEPTIONS AND MANIFESTATIONS | DR A V ANILKUMAR NISER, BHUBANESWAR |
| 48 | June 11 | SATISH DHAWAN - CHANCE AND FRIENDSHIP IN THE ARC OF A LIFE | PROF JYOTSNA DHAWAN CCMB, HYDERABAD |
| 49 | July 9 | REJUVENATING MOTHER EARTH - AN ATTEMPT | DR LISA SREEJITH NIT CALICUT |
| 50 | August 13 | WHAT WE KNOW ABOUT OUR NEAREST STAR | DR NINAN SAJEETH PHILIP IUCAA, PUNE |
| 51 | September 10 | INTERDISCIPLINARY RESEARCH AT THE INTERFACE OF PHYSICS AND BIOLOGY | DR SHASHI THUTUPALLI NCBS, BANGALORE |
| 52 | November 12 | PADMANABHAN AND THE ATOMS OF SPACE TIME | PROF TITUS K MATHEW CUSAT |
| 53 | December 10 | INTRODUCTION TO IN-SPACE AND IT'S MANDATE | SHRI JAGATHIPRIYA ISRO |

| 2023 - MONTHLY WEBINARS | | | |
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| 54 | January 14 | MOBILE LAUNCHING 3D PRINTED ROCKET ENGINE BASED MODULAR LAUNCH VEHICLES | PROF SATHYA R CHAKRAVARTHY IIT MADRAS |
| 55 | February 11 | EDUCATION IN THE 4TH INDUSTRIAL REVOLUTION | SHRI ASHICK K P AIMA DELHI |
| 56 | March 11 | ELECTRIC PROPULSION FOR SPACE | DR MANJU S NAIR LPSC, ISRO |
| 57 | April 8 | PLASMA - MANKIND'S AMAZING TOOL | DR A V RAVI KUMAR IPR, GANDHINGAR |
| 58 | May 13 | THE WORLD OF CHEMICALS | PROF KANA SURESHAN IISER, THIRUVANANTHAPURAM |
| 59 | June 10 | MY UNDERSTANDING OF ENGINEERING FOR SPACE SCIENCE | DR TAPAN MISRA SAC, ISRO |
| 60 | July 8 | HUMAN SPACEFLIGHT RESEARCH AND INTERNATIONAL SPACE STATION EXPERIMENTS | DR JAYAKUMAR VENKATESAN CEO, HARPY AEROSPACE , INDIA |
| 61 | August 12 | ORGANOCATALYSIS | DR AKKATTU T BIJU IISC, BANGALORE |

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| 62 | September 9 | THE MOON: OUR CELESTIAL NEIGHBOUR | DR SMITHA THAMBI SPL, VSSC |
| 63 | October 14 | SPACE APPLICATIONS TO CLIMATE CHANGE AND GLOBAL WARMING - PROSPECTS & PERSPECTIVES | DR C B S DUTT NRSC - ISRO |
| 64 | November 11 | THE PRESENT GOLDEN AGE OF ASTEROIDAL EXPLORATION | DR B R GURUPRASAD JN PLANETARIUM, BANGALORE |