

**UL SPACE CLUB, KOZHIKODE****WEBINAR SERIES**

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

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

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			

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			

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

18	September 19	ELECTROCHEMISTRY : THE PHILOSOPHY AND SCIENCE	DR MUHAMMED MUSTHAFA 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 ST & 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			

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

25	November 14	CHILDREN'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
<b>2021 - MONTHLY WEBINARS</b>			
32	January 09	TRAVEL BEYOND EARTH'S ORBIT	SHRI S INGERSOL LPSC - ISRO



33	February 13	60 YEARS OF MISSILE DEVELOPMENT - DRDO	SHRI P VENUGOPALAN FORMER DIRECTOR, DRDL - HYDERABAD
<b>SPECIAL PROGRAM 9</b>	February 28	<b>SEARCHING FOR EINSTEIN'S MESSENGERS: CHALLENGES AND OPPORTUNITIES</b>	<b>DR NIKHIL MUKUND MENON MAX PLANK INSTITUTE, GERMANY</b>
<b>SCIENCE DAY SPECIAL PROGRAM</b>			
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
<b>SPECIAL PROGRAM 10</b>	May 23	<b>WEBINAR SERIES ANNIVERSARY CELEBRATIONS AND E - MAGAZINE LAUNCH</b>	<b>DMASHRI M CHANDRADATHAN FORMER DIRECTOR, VSSC - ISRO</b>
<b>WEBINAR SERIES ANNIVERSARY SPECIAL PROGRAM</b>			

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

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

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
<b>2022 - MONTHLY WEBINARS</b>			
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

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	AN SAJEETH PHILIP IUCAA, PUNE