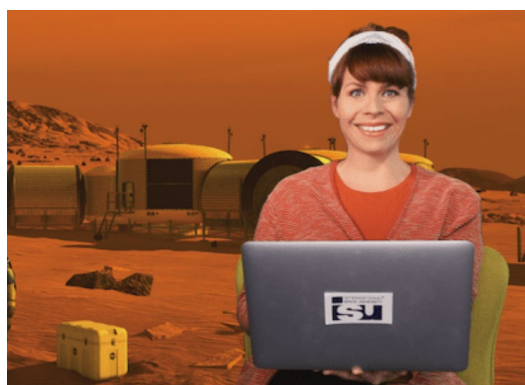


**The Space Studies Program 2023 - Online Edition (SSP23-Online),
is a 4-week professional development course for postgraduate students
and professionals of all disciplines.**

SSP23-online participants will attend a series of 55 core lectures live, covering the principal space related fields, both non-technical and technical, and range from policy and law, business and management and humanities to life sciences, engineering, physical sciences and space applications.

Each of these lectures will be delivered by world renowned space experts and will be live streamed from the SSP onsite location in Brazil.

SSP-online participants will also be given access to the recordings of these lectures during the program for further viewing.



The Space Studies Program SSP23 Online Edition will take place from:

26 June to 20 July 2023

On Brazilian Standard Time zone (GMT-3)

The Core Lectures Series provide a firm foundation of critical background knowledge across seven key topics and introduce participants to the 3I's mindset required for the modern aerospace era (International, Interdisciplinary, Intercultural).

This Interdisciplinary approach will arm the participants with a unique and invaluable perspective that will prepare them well for any STEM and non-STEM role in the space sector.

After 34 years of the Space Studies Program, there are over 5400 alumni positioned in senior roles across the private and public space sector who share this 3I's perspective and access for the participants to this network is another added benefit of the program.

At the end of Core Seminar Series, participants should be able to:

- Demonstrate a critical understanding of various discipline relevant to space programs
- Explain the interdisciplinary aspects and relationships of various space-related activities
- Develop a basic framework of knowledge in preparation for subsequent individual and group work.

Deadline for applications: 31 May 2023

More information: admissions@isunet.edu or on www.isunet.edu



SSP23 CORE Lectures LIST

Week 1

CLS-1	Cultural Rationales for Space Activities
CLS-2	National Implementation of Space Law
CLS-3	Business Structures & Planning
CLS-4	Cultural Rationales for Space Activities
CLS-5	National Implementation of Space Law
CLS-6	Management of Space Projects
CLS-7	The Electromagnetic Spectrum
CLS-8	Orbital Mechanics
CLS-9	Legal Aspects of New Space
CLS-10	The Space Environment
CLS-11	Introduction to Space Applications
CLS-12	Space and the Arts
CLS-13	Microgravity
CLS-14	Introduction to Remote Sensing

Week 3

CLS-33	Space Robotics
CLS-34	Life Support Systems
CLS-35	Spacecraft Subsystems 1: G&C, Thermal Control, TCC&DH
CLS-36	Spacecraft Subsystems 2: Structures, Propulsion and Power
CLS-37	Neuroscience in Space
CLS-38	Technology Transfer & Export Controls
CLS-39	Space Operations
CLS-40	Space Futures
CLS-41	Financial Issues & Techniques of Space Projects
CLS-42	Commercial Space Launch Business
CLS-43	The Heart in Space
CLS-44	Current & Future Trends in Global Navigation Satellite Systems
CLS-45	Space Psychology
CLS-46	Current & Future Space Remote Sensing



Dr. Su-Yin Tan
Co - Chair



Antonio Yukio Ueta
Associate Co - Chair

Week 2

CLS-15	The Sun
CLS-16	Life Cycle of Stars
CLS-17	Orbits & Applications
CLS-18	Human Performance in Space
CLS-19	Policy Rationales for Space Activities
CLS-20	Satellite Telecommunications
CLS-21	Space Propulsion & Launch Vehicles
CLS-22	Human Adaptation & Countermeasures
CLS-23	Economic Rationales & Costing of Space Programs
CLS-24	Commercial Satellite Communications Industry
CLS-25	Entrepreneurial Space
CLS-26	Our Solar System and Exoplanets
CLS-27	Space Based Positioning, Navigation & Timing
CLS-28	Major Space Powers and Emerging Space Players
CLS-29	Disruptive Technologies and Innovation
CLS-30	Moon & Mars
CLS-31	Spacecraft Configuration and Testing
CLS-32	New Space

Week 4

CLS-47	Space Systems Engineering
CLS-48	Space Medicine
CLS-49	Astrobiology
CLS-50	Space Architecture
CLS-51	Space Mission Design
CLS-52	Space Education, Outreach & Communications
CLS-53	Space for Earth's Sustainability
CLS-54	Sustainability of Outer Space Activities
CLS-55	Cosmology: Origin & Fate of the Universe

ISU reserves the right to modify the list and content of SSP core lectures without prior notice as per the availability of its faculty members.

