



USC Space Engineering Research Center (SERC)

# Ad Astra Global Space Governance Workshop 2020

3 Hour Virtual Zoom Workshop, Date: 22nd May 2020

Time: 8:00am CA / 4:00pm UK / 5:00pm Paris / 11:00pm Hong Kong

## Ad Astra Space Governance Workshop Series:

SERC is pleased to announce the first Ad Astra workshop on global space governance. Major developments in the past years have brought space technologies to the forefront of policy debate and technological innovation. Not only has the space sector drawn increasing public interests, it has also witnessed the entrance of new state and private spacefaring actors. With the imminent commercialization and proliferation of space technologies (e.g. LEO constellations), global efforts in co-ordinating the usage of limited space resources (e.g. orbital positions, spectrum) will become essential in ensuring the long-term sustainability of the outer space environment. The first workshop will bring together an interdisciplinary panel to explore and examine innovations that can propel space research forward, as well as governance initiatives that are necessary for the sustainable expansion of the space sector. The workshop is by invitation. Please [visit our website](#) for more information about the SERC.

**Conveners:** Dr. Nikita Chiu, *Ad Astra Distinguished Fellow in Robotic & Outer Space Governance*, SERC  
Prof. David Barnhart, *Director of SERC*

## Panelists:

Prof Richard Hills FRS

Emeritus Professor of Radio Astronomy / Fellow, St Edmund's College, University of Cambridge

Mr Piero Messina, European Space Agency

## Workshop Agenda:

### Session 1

#### Out of the Box Thinking – A Sustainable Future for Outer Space Activities

- Sustainable use of outer space resources
- Sustainable energy/ propulsion technologies
- Design Innovation

### Session 2

#### Beyond the Hype – Building Resilient Growth in the Space Sector

- Strengthening financial resilience for the space sector
- New business models for resilient growth

### Session 3

#### Perseverance amidst Disruptions – Advancing Space Research in Turbulent Times

- Mitigating pandemic impact on space research
- Exploring valuable research to propel the space sector forward

*The Space Engineering Research Center (SERC) is dedicated to disruptive space engineering, research, and education – including hands-on build, test and flight demonstrations of spacecraft and satellites. SERC seeks to challenge traditional methods of space R&D, manufacturing, and exploration with approaches that dramatically reduce costs, enable novel capabilities, and support vital democratization of the space domain.*