

UCL Space Week 2021

Timeline

Event 8.1

<p style="text-align: center;">Monday 8th November 2021 13:15 – 17:45 Gustav Tuck</p> <p style="text-align: center;">Looking ahead</p>			
12:45 – 13:15	Coffee/tea and registration		
13:15 – 13:20	Opening	Prof David Price	Vice Provost Research, Innovation and Global Engagement
13:20 – 13:25	Introduction	Prof Alan Smith	Director, Space Domain
13:25 – 13:55	Invited Speaker	Prof Pascale Ehrenfreund	President International Space University, President IAF
13:55- 15:40	Session 8.1.1	Chair: Prof Alan Smith	Director UCL Space Domain
13:55 – 14:10	UK Space Agency	Claire Barcham	UKSA Strategic Director
14:10 – 14:25	International Space Policy	Prof Serge Plattard	Deputy Director, UCL SD
14:25 – 14:40	European Space Agency	Dr Joseph Aschbacher	ESA Director General (recorded message)
14:40 – 14:55	UCL Space Domain	Prof Alan Smith	Director UCL SD
14:55 – 15:10	Enterprise at UCL	Prof David Price	Vice Provost, RIGE
15:10 – 15:20	Satellite App. Catapult	Lucy Edge	Satellite Application Catapult Chief Operating Officer
15:20 – 15:30	UCL Students	Estelle Janin	President UCL Space Society
15:30 – 15:45	Q & A		
15:45 – 15:55	Coffee/tea		
15:55 – 17:45	Session 8.1.2	Chair: Prof Serge Plattard	Deputy director SD/UCL
15:55 – 16:15	Royal Astronomical Society	Prof Emma Bunce	President Royal Astronomical Society
16:15 – 16:30	GAIA	Prof Mark Cropper	Mullard Space Science Laboratory/UCL
16:30 – 16:45	Euclid	Prof Tom Kitchin	MSSL/UCL
16:45 – 17:00	Solar Orbiter	Prof Chris Owen	MSSL/UCL
17:00 – 17:15	SMILE	Prof Graziella Branduardi-Raymont	MSSL/UCL
17:15 – 17:30	COSS	Dr David Jeevendrampillai	Anthropology/UCL
17:30 – 17:45	Q & A		
17:45 – 18:30	Drinks reception		

Event 8.2

Monday 8th November 2021
18:30 – 20:00

The Artistry of Dan Curry
Dan Curry & Ben Robinson with Rachal Hill
Gustav Tuck
Public Lecture

18:00	Auditorium open, zoom session starts		
18:30 – 18:35	Introductions	Dr David Jeevendrampillai	
18:35 – 19:30	Interview	Dan Curry (on-line) Ben Robinson Rachal Hill (Host)	
19:30 – 20:00	Q&A		
20:00 – 21:00	Informal drinks with speakers		

Event 9.1

Tuesday 9th November 2021

10:00 – 13:00

The Robotic Exploration of the Solar System

Chair: Professor Andrew Coates, UCL

Deputy Chair: Professor Alan Smith

Anatomy G29 JZ Young Lecture Theatre

09:30 – 10:00	Coffee/tea and registration		
10:00 – 11:45	Session 9.1.1		
10:00 – 10:30	To be announced	Dr Lewis Dartnell	Westminster University
10:30 – 11:00	ExoMars	Prof Andrew Coates	MSSL/UCL
11:00 – 11:30	Comet Interceptor	Prof Geraint Jones	MSSL/UCL
11:30 – 11:45	Coffee/tea		
11:45 – 13:00	Session 9.1.2		
11:45 – 12:05	The abiotic carbon cycle in soils from the lifeless surface of Oceanus Procellarum, Chang'e 5 sample return landing site	Prof Dominic Papineau	Earth Sciences/UCL
12:05 – 12:20	Titan negative ions	Dr Annie Wellbrock	MSSL/UCL
12:20 – 12:35	Seeing Jupiter in a New Light	Affelia Wibisono	MSSL/UCL
12:35 – 13:00	The lunar surface as a recorder of astrophysical processes	Prof Ian Crawford	Birkbeck College

Event 9.2

<p style="text-align: center;">Tuesday 9th November 2021 14:00 – 17:00</p> <p style="text-align: center;">Humans in Space Chair: see individual sessions Anatomy G29 JZ Young Lecture Theatre</p>			
13:45 – 14:00	Coffee/tea and registration		
14:00 – 15:40	Session 9.2.1	Chair: Dr Iya Whiteley	Director UCL Space Medicine
14:00 – 14:30	Moon	Dr Aidan Cowley	ESA
14:30 – 14:50	OWLI	Prof Andrew Edkins	Director UCL OWLI
14:50 – 15:00	Biology Inspired	Malica Schmidt	UCL
15:00 – 15:10	TBD	Dr Aaron Pankhurst	Anthropology/UCL
15:10 – 15:40	Q & A		
15:40 – 15:55	Coffee/tea		
15:55 – 17:00	Session 9.2.2	Chair: Prof Andrew Edkins	Bartlett School of Architecture
15:55 – 16:25	Mars	Dr Romain Charles	MEDES
16:25 – 16:40	The psychological dimension	Dr Iya Whiteley	Director UCL Space Medicine
16:40 – 16:55	UCL-lead pilot analogue mission	Miles Harris	Institute of Risk and Disaster Management/UCL
16:55 – 17:10	Can your kidneys make it to Mars and back?	Prof Keith Siew/Prof Stephen Walsh	Department of Renal Medicine, UCL Medical School Royal Free Hospital
17:10 – 17:30	Q & A		

Event 10.1

<p style="text-align: center;">Wednesday 10th November 2021 10:00 – 17:00</p> <p style="text-align: center;">The future role of academia in the space sector Chair: Alan Smith Rapporteur: Serge Plattard UCL Space Policy Workshop Archaeology G6 Lecture Theatre</p>			
09:30 – 10:00	Coffee/tea and registration		
10:00 – 10:10	Introduction Alan Smith		
10:10 – 11:30 10:10 – 10:20 10:20 – 10:30 10:30 – 10:40 10:40 – 10:50 10:50 – 11:30	Session 10.1.1 Discussion	Prof Sarah Matthews Steve Welch Natacha Callens Dr Lorraine Hanlon	Skills and education MSSL/UCL Director, KTN ESA Academy University of Dublin
11:30 – 11:45	Coffee/tea		
11:45 – 13:00 11:45 – 11:55 11:55 – 12:05 12:05 – 12:15 12:15 – 12:25 12:25 – 13:00	Session 10.1.2 Discussion	Prof Nabil Aouf Prof Martin Sweeting John Spindler Kemil Thomas	Innovative technologies City University London Space Innovation Centre Exec Chair, SSTL; University of Surrey, Surrey Space Centre, Chair CEO Capital Enterprise UCL Innovation and Enterprise
13:00 – 13:30	Buffet lunch		
13:30 – 15:00 13:30 – 13:40 13:40 – 13:50 13:50 – 14:00 14:00 – 14:10 14:10 – 14:20 14:20 – 15:00	Session 10.1.3 Discussion	Roger Ward Barbara Ghinelli Eddie Ross Dr Chris Castelli Prof Martin Barstow	Collaboration Thales Director, Harwell Science and Innovation Campus, UKRI-STFC Satellite Applications Catapult Director of Programmes/UKSA Director of Strategic Partnerships, University of Leicester
15:00 – 15:15	Coffee/tea		
15:15 – 17:00 15:15 – 15:25 15:25 – 15:35 15:35 – 15:45	Session 10.1.4	Prof Lucy Green Pallab Ghosh Prof Anu Ojha	Inspiration MSSL/UCL BBC Discovery Director,

15:45 – 15:55		Doug Millard	National Space Centre Deputy Keeper Technologies and Engineering, Science Museum
15:55 – 16:05 16:05 – 16:30	Discussion	Rachel Venn	UCL Student
16:30 – 17:00	Wrap Up		
17:00 – 18:00	Reception		

Event 11.1

<p style="text-align: center;">Thursday 11th November 2021 10:00 – 13:00 Gustav Tuck 09:30 – 20:00 Exoplanets</p>			
09:30 – 10:00	Registration and Coffee/tea		
10:00 – 10:30 10:00 – 10:30	Session 11.1.1 Invited Speaker	Prof Suzanne Aigrain	University of Oxford
10:30 – 11:30 10:30 – 11:00	PLATO Science	Dr Vincent Van Eylen	MSSL/UCL
11:00 – 11:30	PLATO Technology	Alan Smith	MSSL/UCL, Co-I PLATO
11:30 – 11:45	Coffee/tea		
11:45 – 13:00 11:45 – 12:15	Session 11.1.2 Ariel Science	Prof Giovanna Tinetti	UCL, Ariel Mission Leader
12:15 – 12:45 12:45 – 13:00	Ariel Technology Q & A	Dr Giorgio Savini	UCL, Ariel Payload Scientist

Event 11.2

<p style="text-align: center;">Thursday 11th November 2021 13:30 – 17:00 Gustav Tuck ESA_Lab Chair: Prof Serge Plattard</p>			
13:00 – 13:30	Registration		
13:30 – 15:00 13:30 – 14:00	Session 4.3 ESA	Isabelle Duvaux-Bechon	Head of Development and Strategy Office Director ESA_Lab@UCL Director ESA_Lab@Ox Director ESA_Lab@Lanc Director ESA_Lab@Leic
14:00 – 14:15	ESA_Lab@UCL	Prof Alan Smith	
14:15 – 14:30	ESA_Lab@Oxford	Prof Simon Jackman	
14:30 – 14:45	ESA_Lab@Lanc	Prof Rick Wylie	
14:45 – 15:00	ESA_Lab@Leicester	Prof Nigel Bannister	
15:15 – 15:30	Coffee/tea		
15:30 – 17:00 15:30 – 15:45 15:45 – 16:00	Session 4.4 Artificial Intelligence Comms	Dr Ingo Waldmann Prof Kasia Balakier	AI Theme Lead/UCL Satellite Comms Theme Lead/UCL Material Science Theme Lead/UCL Orbital Dynamics Theme Lead/UCL Space Project Management and Systems Engineering/UCL Space Weather Theme Lead/UCL
16:00 – 16:15	Material Sciences	Prof Kwang-Leong Choy	
16:15 – 16:30	Orbital Dynamics	Prof Marek Ziebart	
16:30 – 16:45	PM and SE	Ian Raper	
16:45 – 17:00	Space Weather	Prof Lucie Green	
17:00 – 18:00	Reception		

Event 11.3

Thursday 11th November 2021 18:00 – 19:30 Gustav Tuck Conference Débat			
17:30 – 18:00	Registration		
18:00 – 18:20	How can satellites help us monitor climate change?	Dr Michel Tsamados	Earth Sciences, UCL
18:20 – 18:40	How can satellites help us adapt to climate change?	Prof Dan Osborn	Co-Chair Environment Domain, UCL
18:40 – 19:20	To be announced	Prof Catherine Prigent	Observatoire de Paris
19:20 – 20:00	Drinks reception		

Event 12.1

Friday 12th November 2021 10:00 – 13:00 Gustav Tuck 09:30 – 18:00			
Pecha Kucha			
09:30 – 10:00	Registration		
10:00 – 11:30	Session 5.1		
11:30 – 11:45	Coffee/tea		
11:45 – 13:00	Session 5.2		

Event 12.2

Friday 12th November 2021 15:00 – 17:00 Gustav Tuck 09:30 – 18:00 Debate Settling on Mars is <u>essential</u> for the future of humanity.			
14:45 – 15:00	Registration		
15:00 – 15:10	Introduction	David Jeevendrampillai	
15:00 – 17:00	Debate	Malica	
	For	Dr Xiavier De Kestelier Prof Andrew Edkins TBC	Hassel Studio UCL
	Against	Prof Sanjeev Gupta Prof Sylvia Ekström Prof Andrew Coates	Imperial College Univ. Geneva UCL
17:00 – 18:00	Reception		