



20th Reinventing Space Conference 2023

Opportunities for Delegates, Exhibitors and Sponsors

SPACES AT THE SPINE LIVERPOOL 11–13 October 2023



www.bis-space.com/reinventingspace

The Reinventing Space Conference

Organised by the British Interplanetary Society, Reinventing Space is a conference and exhibition dedicated to advancing humanity's future capabilities in space and highlighting the trends that will define space enterprise a decade from now. Each year, the conference brings together a network of innovators from industry, agency, government, financiers, academia and end users to present and discuss the key challenges and opportunities for future space leadership and growth.

The global economic climate is creating a demand to reduce expenditure. Climate change requires urgent action from space to monitor the world's weather and resources, and contribute to energy-saving solutions. These two drivers both lead to new challenges and opportunities in world space. Reinventing Space connects these critical topics with key emerging themes and people, both from within and outside the space sector. The conference is a second-to-none networking opportunity to meet the innovators and organisations vital for the future direction of space. Attendance at RISpace allows you to play an important role in discussing and seeding the ideas that will help to shape and accelerate the future outlook and ambitions of the global space sector.

2023 Conference – Programme Outline

The theme for the 20th Reinventing Space conference is:

The Evolving Architecture of New Space

The Conference will focus on the key benefits and emerging issues presented by the increasing use of space in the coming decades. As the number of active satellites in Earth orbit increases, the opportunities for interaction between different constellations are enhanced. Intersatellite links and roaming technologies should deliver improvements in a range of performance metrics, including satellite-to-satellite cueing, data fusion, data latency, and overall system capacity.

- Will new, cheaper launch vehicles and on-orbit servicing add to the pressure?
- Will the huge number of satellites increase the risk of collisions and further restrict astronomical observations?
- Can New-Space companies provide the answers?

The 20th Reinventing Space conference and exhibition will be held at Spaces at The Spine in Liverpool from Wednesday 11 to Friday 13 October 2023

This year's conference runs across three consecutive days, with the option to attend any or all days. Each day will consist of a combination of talks from selected presenters as well as dedicated panel sessions and invited Keynote talks aligned with each day's theme:

Days 1 & 2 Wednesday to Thursday 11 – 12 October: Space exploration, infrastructure development, novel technologies, satellite servicing and recycling, in-situ resource utilisation, power, propulsion, and communications

Day 3 Friday 13 October: Day 3 marks 'BIS at 90', celebrating a proud heritage and looking to the future development and exploration of cis-lunar space, critical challenges and opportunities for human exploration of space 'Beyond the Moon' The conference will conclude on the Friday with the Gala Dinner which will include the Sir Arthur Clarke Awards.

Visit www.bis-space.com/reinventing-space to see the latest programme

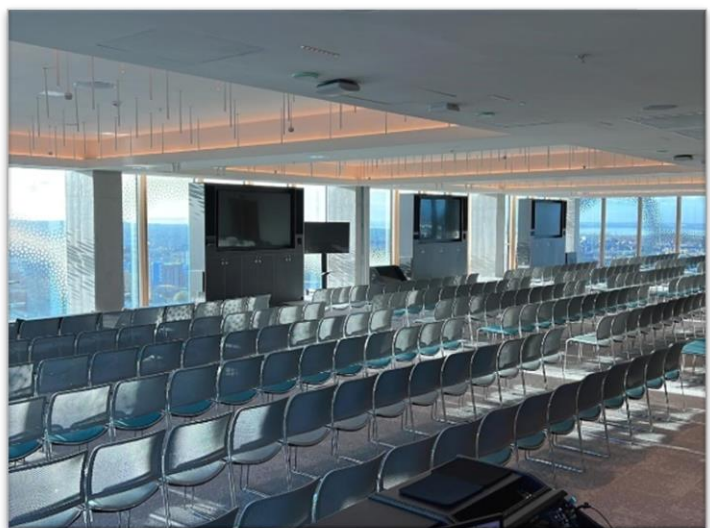
Reinventing Space 2023 Comes to Liverpool

The British Interplanetary Society returns to the place where it was founded 90 years ago in 1933 - **Liverpool**.

Liverpool is recognised as a growth area for the UK economy. With its clear track record of exponential growth over the past decade and its obvious future potential, the UK Space Sector is set to lead the way. Small and innovative companies in the Liverpool area have been establishing a presence in the sector and demonstrating their own potential.

The UK is a world leader in the satellite business, with strength in both large and small satellites. Several companies and universities in the Liverpool area are already to the fore in providing space systems, components, scientific experiments and Space and launch services.

RISpace 2023 will be run on the top two floors of the modern and impressive Spine building with panoramic views across the whole of Liverpool.



All talks and lectures will be in the 150-350 seat state-of-the-art conference facility on the top floor while the exhibitor stalls will be on floor 12, the floor below, alongside the catering area. The conference room is equipped with very latest audio-visual system. An optional networking reception may be held

on the Wednesday evening to allow conference delegates extra time to connect. A parallel Student/Careers Day will also take place on the Friday run by the BIS NextGen Network and UKSEDS, to support and encourage our future generation of Space professionals.

The conference will conclude on the Friday, with the Gala Dinner in the evening (optional), which will include the Sir Arthur Clarke Awards. This prestigious awards ceremony recognises and rewards teams and individuals who have made significant achievements in, and contributions to, all space activities in 2022.



Don't miss this special opportunity to meet and support our well-deserved award finalists and dine next to the 'Daedalus starship'.

The Spine, Liverpool



The Spine, a brand new £35m fourteen-storey, 160,000 ft² office building at the heart of Paddington Central, is not only one of the first in the UK to achieve a Platinum WELL Standard Certification but also one of the most intelligent, showcasing 'best-in-class' building connectivity. Taking its name from the striking staircase on its north elevation that resembles human vertebrae, the Spine has conference and events spaces available for private or commercial hire and boasts internal biophilia, including sky gardens,

complete with high-oxygen producing plants.

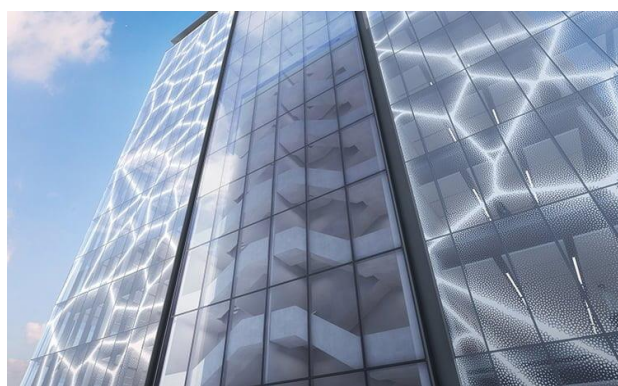
The ground floor and top floors are home to the Royal College of Physicians (RCP).

Founded in 1518 by a Royal Charter from King Henry VIII, the Royal College of Physicians of London is the oldest medical college in England and continues to play a pivotal role in raising standards and shaping public health to this day:

- Influencing the way that healthcare is designed and delivered
- Promoting good health and leading the prevention of ill health across communities
- Supporting physicians to fulfil their potential



**Royal College
of Physicians**



Reinventing Space – The Mission

The annual RISpace conference began in Los Angeles in 2003 to look at 'responsive space'. This originally focused on the US military needs in adapting space capabilities to the rapidly changing national security requirements. As the conference has developed it has refocused on all aspects of low-cost access and utilisation of space – from launchers to CubeSats; from improved optics for Earth Observation to ion drives for long-distance propulsion.

Advances in technology continue to drive the international space effort in civil, military and commercial space. RISpace sessions and panels look at finding ways to work together to make things happen and involve a broad cross-section of experts from the space community to advise and challenge the topics brought into focus at every conference. Attendees, authors and keynote speakers come from many different spheres:

- Decision-makers from space agencies and national space programmes
- Space innovators and visionaries
- CEOs and leading executives
- Government, law and regulatory representatives
- Students and young professionals
- Engineers and scientists from cutting-edge companies
- Academics from all space disciplines
- Space financiers, entrepreneurs, seed funders and crowdfunders
- Satellite owners and satellite operators
- Commercial and New Space industry representatives
- Leaders from military and civilian space
- Members of the general public with an interest in the future direction of space

Organised by the British Interplanetary Society



The British Interplanetary Society, in its 90th year as the world's oldest space advocacy organisation, continues to promote the exploration and use of space for the benefit of humanity, by connecting people to create, educate and inspire and advance knowledge in all aspects of astronautics. It initiates and disseminates new concepts and technical information about space flight and astronautics.

Proceeds from the Reinventing Space conference and exhibition will enable the Society to carry out this mission to bring the space sector closer together to advance knowledge and engage in new initiatives across an international space community.



Reinventing Space 2023 - Registration

Registration is open for RISpace 2023 at www.bis-space.com/reinventingspace

You can purchase tickets online using the website address above. Your ticket will be e-mailed directly to you after purchase.

Alternatively, if you wish to be invoiced rather than paying online, either for your attendance at Reinventing Space, or for any of the packages outlined in this brochure, please email to RISpace@bis-space.com clearly stating the days on which you wish to attend.



Non-BIS Member	Early Bird (ends 31st July 2023)			Standard		
	Student / <25 / NextGen Member	Over 65/ Young Professional under 35	Normal Rate	Student / <25 / NextGen Member	Over 65/ Young Professional under 35	Normal Rate
1 Day	£85	£160	£215	£100	£190	£250
2 Day	£145	£270	£360	£170	£320	£425
3 Day	£185	£355	£470	£220	£415	£550
Dinner				£60	£80	£100

BIS Member	Early Bird (ends 31st July 2023)			Standard		
	Student / <25 / NextGen Member	Over 65/ Young Professional under 35	Normal Rate	Student / <25 / NextGen Member	Over 65/ Young Professional under 35	Normal Rate
1 Day	£70	£130	£170	£80	£150	£200
2 Day	£115	£215	£290	£135	£255	£340
3 Day	£150	£280	£375	£175	£330	£440
Dinner				£50	£70	£90

Confirmed conference Speakers can register at the special rate of £40 on the day they are presenting (£30 for BIS members). Speakers wishing to attend other days of the conference will need to purchase the appropriate one or two-day tickets.

If you are not a member of the BIS, now is the perfect time to consider joining as the membership is heavily offset by the savings made from BIS membership discount - go to www.bis-space.com/get-involved for membership prices and information.

NextGen Student/Careers Day

On Friday 13 October a separate Student Careers Conference will be run by the BIS' NextGen Network and the UKSEDS in parallel with the Reinventing Space Conference. This will include talks by speakers from the main conference, a careers panel and a speed mentoring session. The charge of £50 per student will cover the cost of the coffee/tea breaks and lunch. Students already attending the Reinventing Space Conference can join the parallel Student/Careers Conference at no extra charge.



Conference Sponsorship and/or Exhibitor Opportunities

The Reinventing Space conference and exhibition is an exceptional opportunity to increase awareness for your business across the sector. The following section of this brochure outlines the various packages available for a higher level of engagement and promotion of your organisation across each day of the conference.

Take advantage of our excellent sponsor or exhibitor options – prices as advised. Packages are available to purchase through the RISpace 2023 conference website at www.bis-space.com/reinventingspace or to discuss any specific packages, please get in touch by contacting the RISpace 2023 team directly at RISpace@bis-space.com

"As someone who attended hoping to gain contacts within the space industry the conference was the right place to go"

What I liked about RISpace



Exhibitor Packages

The Reinventing Space Exhibition is integrated within the conference. At lunch, morning coffee and afternoon tea breaks, delegates will move into the exhibition area for food and refreshments. Our Exhibition Packages also include a varying number of delegate passes which allow entry into the main conference. This will help to make exhibiting financially neutral for your organisation.

Exhibitor Package

£ Variable (see prices below)

Exhibition space is limited and will be allocated strictly on a first come, first served basis.

The Exhibitor Package includes:

- ✓ One 3m x 2m exhibition space in the Exhibition area
- ✓ One table, two chairs and electric power socket
- ✓ Overnight hold between the days of conference
- ✓ Exhibitor listing on RISpace website (logo, company name and 100-word description required).
- ✓ Delegate ticket(s) to the conference (see details below)



Prices based on organisation size:

- **Small Enterprise** (<50 employees) **£750+VAT**
Includes 1 Standard Three-Day Delegate Ticket + 1 Three-Day Exhibitor pass
- **Medium Enterprise** (<500) employees **£1,500+VAT**
Includes 1 Standard Three-Day Delegate Ticket + 2 Three-Day Exhibitor passes
- **Large Enterprise** (>500) employees **£2,000+VAT**
Includes 2 Standard Three-Day Delegate Tickets + 2 Three-Day Exhibitor passes

Additional Exhibitor Passes (per day)

£50 + VAT

Exhibitor Pass (Allows access to the Exhibitors' Hall and includes lunch/coffee/tea)

- Exhibitor Package (above) required in order to purchase additional passes
- Note: this does not allow access to the Main Conference, only the exhibition area
- Maximum of 5 additional exhibitor passes allowed to be purchased per organisation



Sponsorship Opportunities

Showcase your organisation at Reinventing Space 2023 by purchasing one of our conference sponsorship packages. A range of sponsorship package options are available providing varying levels of engagement branding to match your interest and budget. Sponsorship packages can be purchased directly through the RISpace conference webpage at www.bis-space.com/reinventingspace or to discuss any specific packages, please get in touch by contacting the RISpace 2023 team directly at RISpace@bis-space.com

Platinum Sponsorship

£5,000 + VAT

The Platinum Package includes:

- ✓ 'Platinum' Sponsor 30-minute 'Keynote' Speaker Opportunity - Optional
- ✓ 'Platinum listed Acknowledgement' - standout branding in all conference materials and website (Company logo, images and 500-word description required)
- ✓ Company logo prominently displayed on all Conference Display Graphics
- ✓ Dissemination of company promotional/information in conference bag and promotional materials - Optional
- ✓ Sponsor announcement sent to RISpace email distribution list
- ✓ Free Exhibitor space included + 50% discount on additional Exhibitor space
- ✓ 50% Discount on other Sponsorable Items
- ✓ Promotional Materials on welcome/registration desk

Gold Sponsorship

£3,000 + VAT

The Gold Package includes:

- ✓ 'Gold' Sponsor 15-minute speaker opportunity - Optional
- ✓ 'Gold' listed Acknowledgement - prominent branding in all conference materials and website (Company logo, image and 200-word description required)
- ✓ Company logo displayed on all Conference Display Graphics
- ✓ Dissemination of company promotional/information in conference bag and promotional materials - Optional
- ✓ Sponsor announcement sent to RISpace email distribution list
- ✓ 50% Discount on Exhibitor Packages and 25% Discount on Sponsorable Items
- ✓ Promotional Materials on welcome/registration desk

Silver Sponsorship

£1,500 + VAT

The Silver Package includes:

- ✓ 'Silver' Sponsor 5-minute lunchtime speaker opportunity on one day - Optional
- ✓ 'Silver' listed Acknowledgement - prominent branding in all conference materials and website (Company logo, image and 200-word description required)
- ✓ Company logo displayed on all Conference Display Graphics
- ✓ 25% Discount on Exhibitor Packages and 10% Discount on Sponsorable Items
- ✓ Promotional Materials on welcome/registration desk

Bronze Sponsorship

£750 + VAT

The Bronze Package includes:

- ✓ 'Bronze' listed Acknowledgement in all conference materials and website (Company logo, image and 100 word description required)
- ✓ 10% Discount on Exhibition Packages
- ✓ Promotional Materials on welcome/registration desk

Sponsorable Items

Extend your brand awareness by purchasing additional sponsorable items to give your organisation substantial recognition during the lead-up to and throughout the conference.

Lanyard/Badge Sponsorship £2,500* + VAT

This is a single sponsorship opportunity. If taken by another sponsor, this item becomes unavailable:

- ✓ Logo added to each lanyard given to all delegates
- ✓ Logo on all conference roll-up banners

** £1,500 + VAT if sponsor provides own lanyards. Material to be provided by Sponsor 2 weeks ahead.*

NextGen Student/Careers Day Sponsorship £1,500 + VAT

Looking to support STEM Outreach and careers - Have your name associated with the parallel student day, to help connect and inspire the next generation. This enables an affordable attendance for students on the day on Friday 13 October, to hear of career opportunities from a panel of Space Professionals and network with conference delegates.

- ✓ Logo on all conference roll-up banners
- ✓ Logo on RISpace website and sponsorship acknowledged in all conference materials

Conference Tote Bag Sponsorship £1,000 + VAT

This is a single sponsorship opportunity. If taken by another sponsor, this item becomes unavailable:

- ✓ Logo on conference tote bags to be given to all delegates*
- ✓ Logo on all conference roll-up banners

** Logo must be provided to the conference organisers 2 weeks before the opening date of RISpace*

Lunch and Coffee/Tea Break Sponsorship (per day) £1,000 + VAT

There will be an hour-long lunch break in the middle of each of the 3 days* and a coffee/tea break in the morning and afternoon. At each break delegates will move from the auditorium to the catering area. The Lunch and Coffee/Tea Break Sponsor will have the opportunity to address delegates for three minutes before lunch is served.

- ✓ Three-minute speaking opportunity in catering area
- ✓ Up to three roll-up graphics during a lunch/break
- ✓ Logo on all conference roll-up banners
- ✓ Logo on RISpace website and sponsorship acknowledged in all conference materials

** Choice of day will be on a first come first served basis. Multiple slots may be purchased. Own roll-up banners to be supplied by sponsor*

Items for Inclusion in Conference Bag (per item) £200 + VAT

An economical entry-level RISpace sponsorship.

- ✓ Your promotional material e.g. flyer/notepad (A4 or less), pen etc. to be placed in the conference bag
- ✓ Number of physical items to be agreed (flyers etc.)
- ✓ Sponsor to supply items (two weeks ahead of the conference)

Gala Dinner Sponsorship

£4,000 + VAT

The Gala Dinner to be held on the top floor of the Spine will be a prestige event, celebrating the British Interplanetary Society's 90th Anniversary and the presentation of the Sir Arthur Clarke Awards. This is a single sponsorship opportunity.

The Gala Dinner sponsor package includes:

- ✓ A 10-minute speaking opportunity at the start of the Dinner
- ✓ Up to three roll-up graphics in the Dining Room
- ✓ Company Logo on all conference roll-up banners
- ✓ Company logo on RISpace website and sponsorship acknowledged in all conference materials
- ✓ A table for 8 dinner guests



Sir Arthur Clarke Awards Sponsorship

£3,500 + VAT

The Sir Arthur Clarke Awards recognise the achievements in, or contributions to, all space activities in the previous calendar year. These prestigious awards will be presented at this year's Gala Dinner. There is a single opportunity to sponsor the Sir Arthur Clarke Awards at RISpace 2023:

The Sir Arthur Clarke Awards Sponsor Package includes:

- ✓ A 5-minute speaking opportunity at the start of the Award ceremony
- ✓ Company logo on all Conference Graphics
- ✓ Company Logo on RISpace website and sponsorship acknowledged in conference materials
- ✓ A Table for 8 Dinner guests



For more information on the Sir Arthur Clarke Awards, please visit:

<https://www.bis-space.com/arthurs>

A Drinks Reception will be held in the Axis Room prior to the Gala Dinner and the BIS' 90th anniversary celebration.

This is an exclusive and high-profile opportunity to showcase and associate your organisation's name and brand with the RISpace 2023 Conference Gala Dinner Reception, as well as the prestigious Sir Arthur Clarke Awards.

This is a single Sponsor opportunity!

The Drinks Reception Sponsor Package includes:

- ✓ A 5-minute speaking opportunity during the Reception
- ✓ Up to three company roll-up graphics in or at the entrance to the Axis Room (*Own roll-up banners to be supplied by sponsor*)
- ✓ Company Logo on all conference graphic displays
- ✓ Company Logo on the RISpace website and sponsorship acknowledged in all Conference materials
- ✓ 2 tickets to the Gala Dinner



The 20th Reinventing Space Conference is organised by the British Interplanetary Society at Spaces at The Spine, 2 Paddington Village, Liverpool, L7 3FA, UK from 11 to 13 October 2023. **For more information, please email: RISpace@bis-space.com**

British Interplanetary Society, 27-29 South Lambeth Road, London, SW8 1SZ, United Kingdom

Tel: +44 (0)20 7735 3160

<http://www.bis-space.com>

<https://www.bis-space.com/reinventing-space>

Cover Artwork



The BIS Daedalus Interstellar Probe

Image copyright - Adrian Mann

50th anniversary of Project Daedalus

Project Daedalus was a study conducted between 1973 and 1978 by the British Interplanetary Society, to demonstrate the engineering feasibility of interstellar travel. Intended mainly as a scientific probe, the design criteria specified that the spacecraft had to use existing or near-future technology and had to be able to reach its destination within a human lifetime. Requiring assembly and fuelling in space, the cover artwork shows the scale of the Daedalus vehicle against the Saturn V Moon Rocket.

