

GR24 & Amaldi16



24th International Conference on General Relativity and Gravitation & 16th Edoardo Amaldi Conference on Gravitational Waves

14–18 July 2025

Scottish Exhibition Centre Glasgow UK

We are delighted to invite you to participate in the joint **24th International Conference on General Relativity and Gravitation** & the **16th Edoardo Amaldi Conference on Gravitational Waves**. Held from 14–18 July 2025 in Glasgow, Scotland, GR24–Amaldi16 will be organised by the Institute of Gravitational Research, University of Glasgow, and the Institute of Physics.

GR24 is the latest in the series of triennial international conferences held under the guidance of the International Society on General Relativity and Gravitation. It is the principal international meeting for scientists working in all areas of relativity and gravitation and last held in the UK in 1965 (London).

The Edoardo Amaldi Conference on Gravitational Waves is organised every two years under the guidance of the Gravitational Wave International Committee. It is the principal international meeting for scientists working in all areas of gravitational-wave science and last held in the UK in 2011 (Cardiff).

The programme will feature exciting keynote lectures, parallel sessions covering a full breadth of topics (see below), contributed talks ensuring a wide focus and inclusion of the most exciting science, and posters. There will also be an Early Career Workshop (10–12 July), Wikipedia Edit-a-thon (13 July), and public engagement activities including a free Public Lecture.

This meeting will attract academics, leaders from space agencies, and science educators, bringing together experts from across classical and quantum gravity, mathematical and applied relativity, gravitational-wave instrumentation and data-analysis, and multi-messenger astronomy. Attendees at this meeting will be primarily research scientists, with a high proportion (>30%) of early career researchers invited to present results, network, and learn about the latest breakthrough discoveries. This is the biggest and highest-profile meeting within this international field, and we expect 1000 participants from across the globe.

Additionally, this meeting will be a special celebration as 2025 is the 10th anniversary of the first observation of gravitational waves (awarded the Nobel Prize in Physics in 2017): a discovery that Glasgow and UK scientists made significant contributions to, both in pioneering detector technologies and developing analysis algorithms. Therefore, we expect greater engagement from both the international community and the media because of this.

2025 also marks the International Year of Quantum Science and Technology (IQST), which recognises 100 years since the development of quantum mechanics. The greatest frontier of quantum science is its unification with gravity, one of the topics that we will be exploring at this conference, with sessions on theoretical developments in quantum gravity and discussions of its potential experimental signatures. There will also be sessions discussing topics related to the cutting-edge application of quantum technologies to experimental physics, e.g., for precision measurements from laser and atom interferometers.

Companies working in all related areas including space, mathematical software, computing services and hardware, optics, lasers, imaging, precision measurement, etc., are invited to support this event and raise their profile both nationally and internationally.

Join us at GR24–Amaldi16 to explore how gravitational physics advances fundamental science, inspires technological innovation, and contributes to our understanding of the Universe.

Local Organising Committee

- **Christopher Berry** University of Glasgow (Co-chair)
- **Ik Siong Heng** University of Glasgow (Co-chair)
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- **Greg Ashton** Royal Holloway University of London
- **Christian Chapman-Bird** University of Glasgow
- **Kevin Cunningham** University College Dublin
- **Mattia Emma** Royal Holloway University of London
- **Rachel Gray** University of Glasgow
- **Charlie Hoy** University of Portsmouth
- **Ann-Kristin Malz** Royal Holloway University of London
- **Ann-Kristin Malz** Royal Holloway University of London
- **Hannah Middleton** University of Birmingham
- **Metha Prathaban** University of Cambridge
- **Isobel M Romero-Shaw** University of Cambridge
- **Shashwat Singh** University of Glasgow
- **Andrew Spencer** University of Glasgow
- **Karl Toland** University of Glasgow
- **John Veitch** University of Glasgow
- **Daniel Williams** University of Glasgow
- **Michael J Williams** University of Portsmouth

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Scientific Organising Committee

- **Jonathan Gair** Max Planck Institute for Gravitational Physics (Chair)
- **Ivan Agullo** Louisiana State University
- **Miguel Alcubierre Moya** Universidad Nacional Autónoma de México
- **Nils Andersson** University of Southampton
- **K G Arun** Chennai Mathematical Institute
- **Tessa Baker** University of Portsmouth
- **Nathan Berkovits** Universidade Estadual Paulista
- **Zvi Bern** University of California Los Angeles
- **Emanuele Berti** John Hopkins University
- **Lydia Bieri** University of Michigan
- **Béatrice Bonga** Radboud University
- **Richard Brito** Técnico Lisboa
- **Sumanta Chakraborty** Indian Association for the Cultivation of Science
- **William East** Perimeter Institute
- **David Garfinkle** Oakland University
- **Elena Giorgi** Columbia University
- **Gabriela González** Louisiana State University
- **David Hilbert** Técnico Lisboa
- **Veronika Hubeny** University of California Davis
- **Daniel Mayerson** KU Leuven
- **Adrian Ottewill** University College Dublin
- **Yu-ichiro Sekiguchi** Toho University
- **Hung-Yi Pu** Norwegian University of Science and Technology
- **Daniel Mayerson** KU Leuven
- **Lijing Shao** Peking University
- **Thomas Sotiriou** University of Nottingham

Amaldi16

Scientific Organising Committee

- **Jessica Steinlechner** Maastricht University (Chair)
- **Rita Dolesi** University of Trento/INFN-TIFPA
- **Ben Farr** University of Oregon
- **Paulo Freire** Max Planck Institute for Radio Astronomy
- **Joey Shapiro Key** University of Washington Bothell
- **Mikhail Korobko** University of Hamburg
- **Valeriya Korol** Max Planck Institute for Astrophysics
- **Sachiko Kuroyanagi** University of Madrid
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- **Ben Owen** Texas Tech University
- **Antonella Palmese** Carnegie Mellon University
- **Harald Pfeiffer** Max Planck Institute for Gravitational Physics
- **Alessio Rocchi** INFN Rome Tor Vergata
- **Stefan Rosswog** University of Hamburg
- **Golam Shaifullah** University of Milano-Bicocca
- **Bram Slagmolen** Australian National University
- **Sarah Vigeland** University of Wisconsin-Milwaukee
- **Kazuhiro Yamamoto** University of Toyama

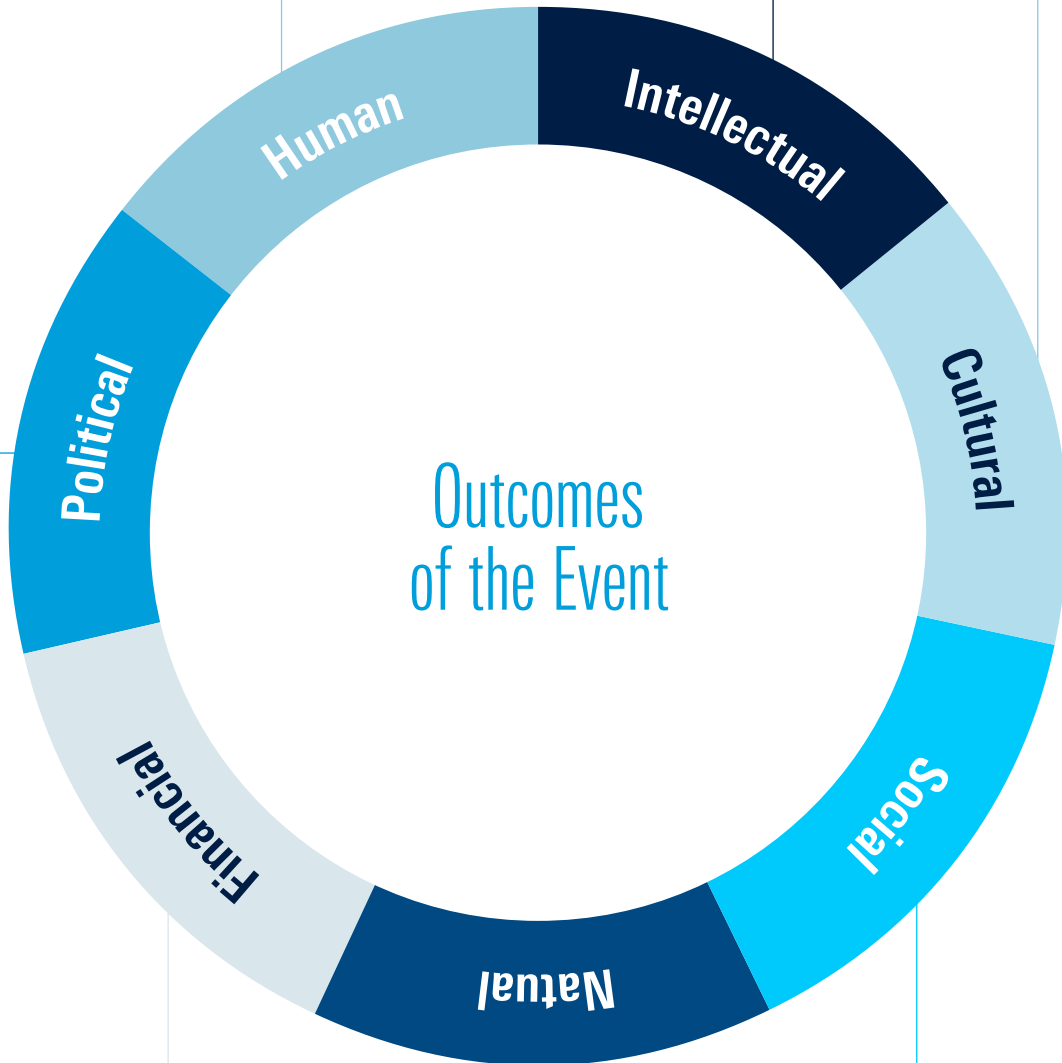
Meeting Topics

A1 Classical GR: Theoretical developments	A2 Classical GR: Mathematical developments	A3 Alternative and modified theories of gravity
B1 Relativistic astrophysics	B2 Numerical relativity	B3 Approximations, perturbation theory, and their applications
B4 Cosmology: Theory and observations (including gravitational waves)	C1 Gravitational-wave astronomy through pulsar timing	C2 Terrestrial gravitational wave astronomy: Searches, data analysis and parameter estimation
C3 Progress and challenges in terrestrial detector instrumentation	C4 Concept and research towards next-generation terrestrial detectors	C5 Space-based detectors
C6 Gravitational waves and fundamental physics	C7 Multi-messenger astronomy of gravitational wave sources	C8 Building the community: Education, outreach, DEI and career development
C9 Experimental gravitation	C10 Experimental tests of the nature of compact objects	D1 Loop quantum gravity and spin foams
D2 Gravitational aspects of string theory	D3 Causal sets, causal dynamical triangulations, non-commutative geometry, asymptotic safety, and other approaches to quantum gravity	D4 Quantum fields in curved space-time, semiclassical gravity, quantum gravity phenomenology, and analogue models

Skills development, principally for early career researchers. The meeting will provide opportunities for knowledge exchange, networking, and specific training in technical topics (such as applications of machine learning and computational modelling) and soft skills (such as effective presentation and career planning).

Promote innovation, share knowledge, and support research and development in a range of academic fields connected to the conference.

Reinforce the UK's long-history of leading gravitational science, both highlighting current research to the international community and sharing discoveries.



Raise awareness of the capabilities of UK science, and its long history of punching above its weight within gravitational-wave science.

Showcase the capabilities of UK industry, e.g., in supporting space-based scientific missions such as delivering the optical bench for the LISA mission or developing new optical coatings for the LIGO gravitational-wave observatories.

Gravity provides a unique means of studying our Universe. Gravitational waves allow us to study the most extreme environments across the cosmos, the creation of heavy elements and the strange matter that makes up neutron stars. Gravimetry allows us to study our dynamic planet, charting changing water levels and monitoring volcanic activity.

Strengthening international collaboration on both small scale (inter-university) research projects and large, billion-pound international research infrastructure (e.g., the space-based LISA mission, and the next-generation of ground-based gravitational-wave detectors).

Sponsorship

With a range of different packages available, sponsorship provides an excellent opportunity to meet with existing customers and attract new ones, recruit highly trained scientists, and show your support of this vibrant growing community. Each package helps enhance your company's reputation within the scientific community and among research funders.

Who should sponsor:

- Software companies or agents that provide tools used within research and education, including tools that facilitate collaboration and project management, mathematical modelling, and control or monitoring of laboratory equipment.
- Manufacturers or agents providing equipment, instruments or components associated with areas of experimental physics (including laser optics and interferometry, thin-film coatings, metrology, imaging, sensors, accelerometry, vibrometry, vacuum equipment, cryogenic technologies, control systems, and satellite technologies), and those working in lab consumables.
- Manufacturers or vendors providing computing hardware for use in research or education, particularly those supporting machine-learning applications, high-performance computing or high-throughput computing.
- Publishers working in the scientific community including those in scientific education and science communication.
- Employers of science graduates. Attendees will have a range of expertise, from designing and commissioning precision experiments to mathematical modelling and statistical inference using noisy data.

Sponsorship Packages:

Platinum Sponsor: £7500 + VAT

- Three complimentary registrations (to include refreshments and lunch throughout the conference, the Welcome Reception at the Glasgow Science Centre on Monday 14 July, Poster Reception on Tuesday 15 July, and the Conference Dinner on Thursday 17 July)
- VIP seats at the Public Lecture on Wednesday 16 July
- Link to your company brochure on the conference website
- Show video content on the website (maximum 5 minutes)
- 250-words profile on the conference website
- Logo and Social Media links
- A tabletop stand held alongside refreshments and the posters.
- A4 full colour advert in the digital book of abstracts
- Your logo will feature on the recorded presentations, which will be freely accessible online post event
- Opportunity to promote job adverts in the lead up to the Conference (on the website) and on a jobs board at the event (Unlimited)

Plus, one of the following (or one of the options for gold or silver sponsorship):

- **Option A:** Eco-Friendly Welcome Packs (include your logo on the front of the delegate bags)
- **Option B:** Eco Friendly Badges (include your logo on the front of the badge)
- **Option C:** Conference Dinner on Thursday 17 July (include your logo on the menus, and feature as sponsoring the Dinner in the Conference programme)
- **Option D:** Public Lecture on Wednesday 18 July (include your logo on the Lecture programme, and feature as sponsoring the Lecture in the Conference programme)

Gold Sponsor: £5000 + VAT

- Two complimentary registrations (to include refreshments and lunch throughout the conference, the Welcome Reception at the Glasgow Science Centre on Monday 14 July, Poster Reception on Tuesday 15 July, and the Conference Dinner on Thursday 17 July)
- Link to your company brochure on the conference website
- Show video content on the website (maximum 3 minutes)
- 200-words profile on the conference website
- Logo and Social Media links
- A tabletop stand held alongside refreshments and the posters.
- A4 full colour advert in the digital book of abstracts
- Your logo will feature on the recorded presentations, which will be freely accessible online post event
- Opportunity to promote job adverts in the lead up to the Conference (on the website) and on a jobs board at the event (Unlimited)

Plus, one of the following (or one of the options for silver sponsorship):

- **Option E:** Poster Reception on Tuesday 15 July (include your logo on strut cards which will be displayed alongside the catering during the Reception, and feature as sponsoring the Reception in the Conference programme)
- **Option F:** Sponsor a Plenary Session (include your company name within the Conference programme, and feature your logo on the slides shown at the beginning of the Session)
- **Option G:** Sponsor a Lunch Break (include your logo on strut cards which will be displayed alongside the catering, and feature as sponsoring the Break in the Conference programme).

Silver Sponsor: £2500 + VAT

- One complimentary registration (to include refreshments and lunch throughout the conference, the civic reception at the Science Centre on Monday 14 July, Poster Reception on Tuesday 15 July and the Conference Dinner on Thursday 17 July)
- Link to your company brochure on the conference website
- Show video content on the website (maximum 2 minutes)
- 150-words profile on the conference website
- Logo and Social Media links
- A tabletop stand held alongside refreshments and the posters
- Half A4 full colour advert in the digital book of abstracts
- Your logo will feature on the recorded presentations, which will be freely accessible online post event
- Opportunity to promote job adverts in the lead up to the Conference (on the website) and on a jobs board at the event (Unlimited)

Plus, one of the following:

- **Option H:** Sponsor a day's Refreshment Breaks (include your logo on strut cards which will be displayed alongside the Refreshment Breaks, and feature as sponsoring the Break in the Conference programme)
- **Option I:** Poster Prizes (your logo will feature on certificates handed out to poster prize winners)
- **Option J:** Sponsor a Parallel Session (include your company name within the Conference programme, and feature your logo on the slides shown at the beginning of the Session)
- **Option K:** Sponsor the Quiet Area (include your logo on strut cards which will be displayed in the Quiet Area, and feature as sponsoring the Quiet Area in the Conference programme)

Virtual Sponsor: £750 + VAT

- Link to your company brochure on the conference website
- 100-word profile on your organisation and the services offered
- Logo and Social Media links on the website
- Half A4 full colour advert in the digital book of abstracts

Additional Sponsorship Options (either standalone, or in combination with any of the above)

Sponsorship of the Early Career Workshop £500 + VAT

- Held before the main Conference on 10–12 July, this Workshop will bring together 150 early career scientists (graduate students and postdoctoral researchers) for specialist training, skills development, and networking. Sponsorship provides a unique opportunity to support the next generation of scientists and demonstrate a commitment to personal development
 - Logo and Social Media links on the website
 - Opportunity to promote job adverts at this event (Unlimited)
 - Include your logo on strut cards which will be displayed alongside the Refreshment Breaks
 - Feature as sponsoring the Workshop in the Conference programme

Sponsorship of the Wikipedia Edit-a-thon £300 + VAT

- Held between the Early Career Workshop and the main Conference on 13 July, this event will bring together Conference attendees and undergraduate students from the University of Glasgow to create and update Wikipedia articles related to the conference's science, in particular biographies for scientists from demographics underrepresented in science. Sponsorship provides a unique opportunity to support public dissemination of knowledge and demonstrate a commitment to promoting diversity, equality and inclusion in science
 - Logo and Social Media links on the website
 - Opportunity to promote job adverts at this event (Unlimited)
 - Include your logo on strut cards which will be displayed alongside the Refreshment Breaks
 - Feature as sponsoring the Edit-a-thon in the Conference programme

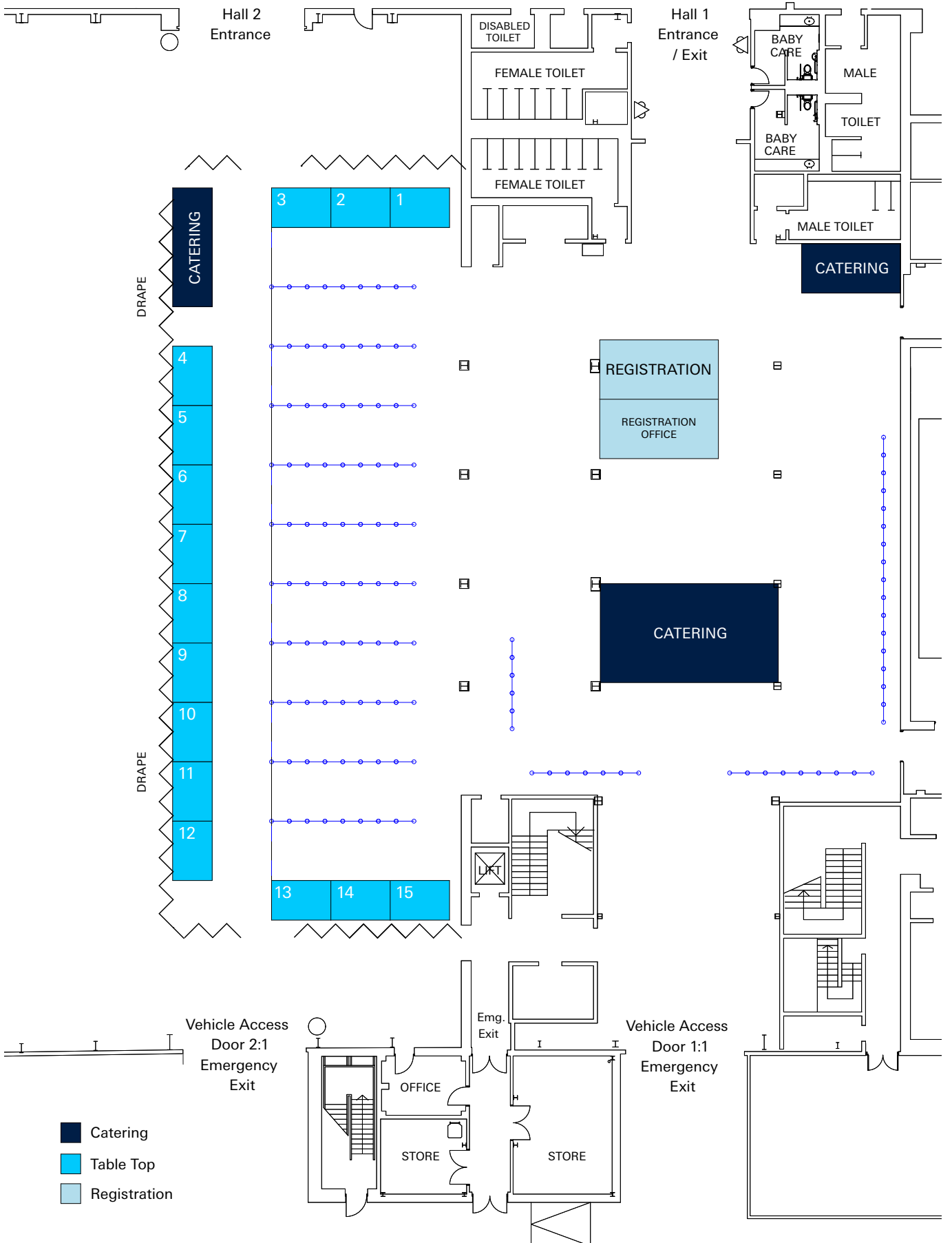
Booking a sponsorship package

To book a sponsorship package, please contact

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Floorplan



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