Gathering for Open Science Hardware 2018 | Shenzhen, China

scaling hardware, growing community

Hardware is a vital tool for scientific experiments which makes it essential for researchers, educators, inventors and anyone wanting to find out more about the world around us. Open Science Hardware aims to increase global access to scientific equipment through sharing open designs, often taking advantage of modern digital fabrication techniques and low-cost electronics platforms. A growing number of people around the world are already developing and using Open Science Hardware: high school teachers, researchers in international institutions, entrepreneurs and grassroots community groups.

After a hugely successful meeting in Chile in 2017 and publication of the GOSH Roadmap to guide the community towards a vision of ubiquitous open science hardware by 2025, the Gathering for Open Science Hardware 2018 is moving to Shenzhen, China - the 'hardware capital of the world' - to look at scaling in all its forms and growing the open science hardware community.

Expected outcomes of GOSH 2018

Scaling up the community, we will welcome up to 100 people from many countries and broad backgrounds, including over a third of participants from Asia.

Establishing working groups to tackle complex problems like design of sustainable business models, design strategies for calibration and reproducibility of measurements, interactions with open and citizen science.

Engaging local communities, taking advantage of being located in Shenzhen to form local connections and raise the profile of open technologies for science in the region.

Updating the Global Open Hardware Roadmap, developed by the GOSH Community in 2017 as a vision for ubiquitous open science hardware by 2025.

Gaining insight into the hardware manufacturing ecosystem in Shenzhen for the over 15 companies already producing open science hardware and others who want to scale up their ideas to enable global access.

More on GOSH 2018

GOSH 2018 will take place over four days at the time of Shenzhen Open Innovation Week (Sep/Oct 2018, dates TBC). The programme will feature a wide variety of themed sessions on topics including learning through open science hardware, documentation and calibration for reproducible science, increasing equality of access globally, citizen and community science and more.

We also plan to deliver a public day to showcase the diversity of open science hardware and why it is important to a much broader group of people from the local area.

Support Requested

We are actively seeking sponsorship of meeting costs, build workshops and most importantly travel, to enable participation by a diverse community regardless of their resources.

We believe this is essential to meet our demographic goals and to grow an effective, highly engaged community of researchers, hardware developers, community organisers, educators and other important members of the open science hardware ecosystem.

We are delighted to accept sponsorship at any level, from funding for multiple travel grants to in-kind donations of kits and hardware, services and supplies.

All sponsors will have their contribution and support highlighted on the website, social media and at the event. You will have access to the largest and growing community of developers and users of open science hardware. We are happy to talk individually to sponsors about the best way to achieve their goals in supporting GOSH.

Contact us to discuss further!

If you are able to offer support or would like to discuss opportunities and options please contact Jenny Molloy on jcm80@cam.ac.uk. Thank you very much for your consideration, on behalf of the GOSH 2018 organising committee:

Shannon Dosemagen, Public Lab; Greg Austic, Our Sci; David Li and Vicky Xie, Shenzhen Open Innovation Lab; Ji Li, Open FIESTA, Tsinghua University; Jenny Molloy, University of Cambridge; Francois Grey, University of Geneva; Marc Dusselier, Hackteria; Fernan Federici, Pontificia Universidad Católica de Chile.