



International Particle
Physics Outreach Group

18th IPPOG Meeting – CERN– 28 Nov 2019

Universal Science, an IPPOG Public Event

S. Goldfarb, University of Melbourne, Chair

Universal Science - Description

The Event

- Public Event on eve of a Major Conference (CHEP)
- Exhibits by physicists presenting at the conference
- Very short presentations on physics / computing / diversity
- Q&A Panel Discussion

Goals

- Let public know who is in town
- Give physicists a chance to strut their stuff
- Foster interaction between public and scientists
- Raise awareness of IPPOG to both groups

<https://universalscience.web.cern.ch>

Universal Science - Publicity

Top physicists, who analyse the Higgs boson while working out 'the truth', to meet in Adelaide

ABC Radio Adelaide

Updated 1 Nov 2019, 9:38am



PHOTO: An underground tunnel shows the 27-kilometre ring of the Large Hadron Collider at CERN. (Supplied: CERN)

Scientists are "anti-politicians" who look for evidence to break theories rather than data to support their ideals, a particle physicist has said ahead of a conference in Adelaide involving the world's top scientists.

Dr Steven Goldfarb is visiting from the world's largest atom smasher at the European Organisation for Nuclear Research (CERN) in

RELATED STORY: The secret to dark matter could be buried beneath your feet

RELATED STORY: Scientists planning even bigger Large Hadron Collider to unlock secrets of the universe

RELATED STORY: Mysterious 'ghost' galaxy with no dark matter puzzles astronomers

RELATED STORY: Higgs-like particle found in 'milestone' for mankind



24th International Conference on Computing in High Energy & Nuclear Physics

4-8 November 2019, Adelaide, Australia

HOME REGISTRATION LOCAL INFORMATION ACCOMMODATION ORGANISATION SPONSORS SUBMISSIONS
PROGRAMME PROCEEDINGS BULLETINS TOURS PUBLIC EVENT WLCG/HSF Workshop


Universal Science

A discussion on the application of research, and the roles of scientists and globally-distributed computing, in the investigation of humanity's most fundamental questions...

Sunday November 3rd, 2019. Commencing at 6pm.
The Braggs Auditorium, University of Adelaide.

"Universal Science" is organised as part of the 24th International Conference on Computing in High-Energy and Nuclear Physics.

Please see [this link](#) for more information (please note that the remote site currently is under development).



ANNOUNCEMENTS

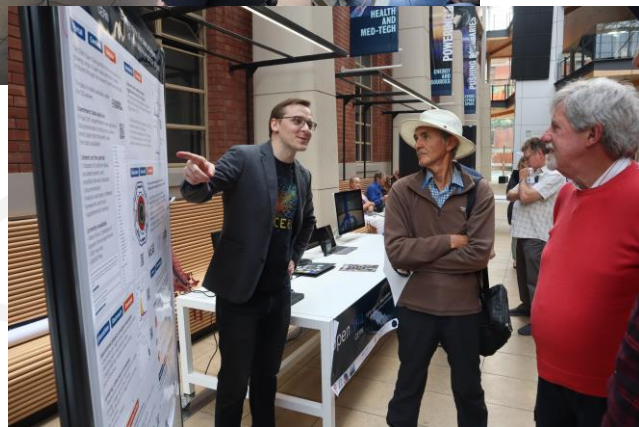
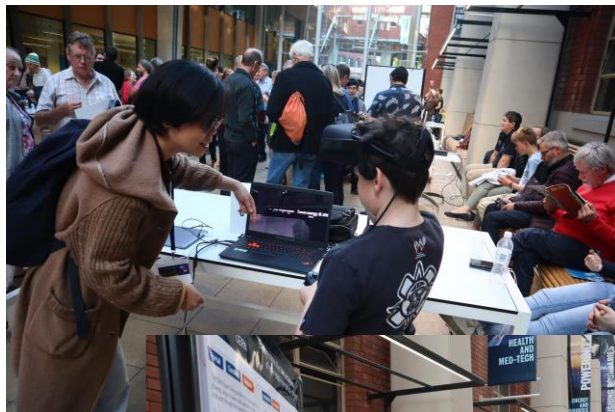
Group Photo
The [Group Photo](#) is now available.

Third bulletin
The [third bulletin](#) is now available.

Registrations
Registrations are now CLOSED.

Abstracts
The call for abstracts is closed. Refer

Universal Science - Exhibits



Universal Science - Speakers

[Q&A](#)[Webcast](#)[Register](#)

SPEAKERS

Discovering the secrets of the universe



Lucia Silvestris, Physicist, INFN-Bari, CMS Experiment at CERN

Lucia Silvestris is a particle physicist working on the CMS experiment at CERN. She received her PhD from Bari University in 1990, studied as a post-doctoral fellow at INFN-Bari and since 1992 she is an INFN staff physicist. Lucia was first working on the ALEPH Experiment on LEP, then joining the CMS Experiment on LHC at CERN in 1993. She coordinated the CMS Offline project and, at the time of the Higgs Boson discovery, the CMS Physics Performance project. More recently, Lucia moved to operation activities and she is coordinating the CMS Run & Commissioning project.

[Q&A](#)[Webcast](#)[Register](#)

Global computing at the heart of universal science



Hannah Short, CERN Computer Engineer

Hannah Short obtained a Master's Degree in Physics, specializing in Astrophysics, at Imperial College London and the Universidad de La Laguna before moving into Software Development and Computer Engineering. She has worked in both commercial and research organizations to define and implement their IT services. Hannah is currently based at CERN where she contributes to various projects in Trust, Identity, and Security for Research Collaborations.

[Q&A](#)[Webcast](#)[Register](#)


Making Australian science universal



Paul Jackson, Physicist, University of Adelaide, ATLAS Experiment at CERN


Paul Jackson obtained a Master of Physics and Cosmology at Lancaster University and completed a PhD at the University of Victoria, Canada. He held research positions at the Ohio State University, Roma "La Sapienza" and Stanford University prior to moving to Adelaide where he leads the experimental high-energy physics group at the University of Adelaide. He works on the ATLAS experiment at CERN, the Belle II experiment at KEK in Japan and is part of team constructing a new underground laboratory in Australia to search for dark matter.

Universal Science - Hosts




Q&A Webcast Register

HOSTS




Marzena Lapka, Communications Manager, CMS Experiment at CERN

Marzena Lapka is a Communications Manager at the Compact Muon Solenoid (CMS) Experiment on LHC, one of two general-purpose experiments at CERN. In this capacity, she develops strategies and manages communications activities aimed at increasing awareness and appreciation of the relevance of the high-energy physics among the general public, students and educators. Marzena began her career in sales and marketing. Her business background and an MBA from the University of Geneva, with a specialisation in communication, marketing and e-business, bring remarkable value to the non-profit environment she is now working in.



Q&A Webcast Register



Steven Goldfarb, Physicist, University of Melbourne, ATLAS Experiment at CERN

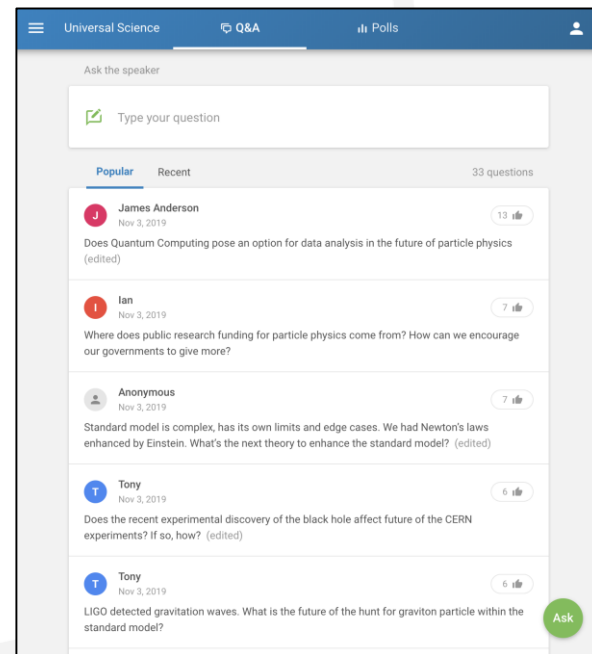
Steven Goldfarb is a particle physicist working on the ATLAS Experiment on the LHC at CERN. He received his PhD from the University of Michigan in 1991 on the L3 Experiment on LEP, then joined the ATLAS Experiment in 1998. He coordinated software development for the ATLAS Muon system and contributed to early studies in the search for the Higgs boson. More recently, Steve has focused on public education and communication, having served as Outreach Coordinator, and currently chairing the International Particle Physics Outreach Group (IPPOG).

Universal Science - Presentations



Roughly 200-250 Visitors

Universal Science - Panel



Questions taken on sli.do

Summary

Universal Science

- Induces engagement between scientists and local audiences
- Focuses primarily on answering questions
- Type of public depends on location
- Demonstrates and champions our international diversity
- Introduces the public and our colleagues to IPPOG

Sponsors & Participants

