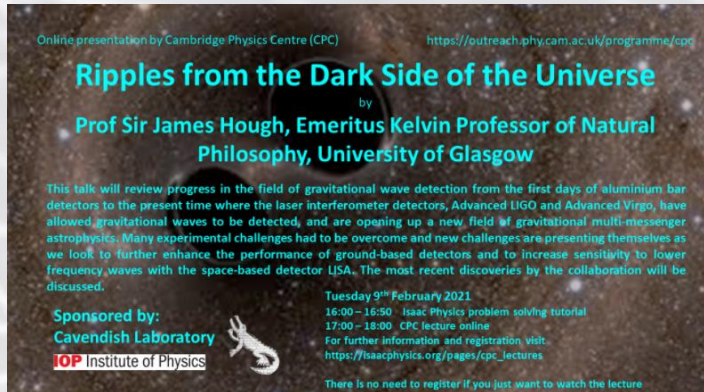


Upcoming Fantastic Physics Lectures

9th February: Ripples from the Dark Side of the Universe.

https://isaacphysics.org/pages/cpc_lectures#february



Online presentation by Cambridge Physics Centre (CPC) <https://outreach.phy.cam.ac.uk/programme/cpc>

Ripples from the Dark Side of the Universe

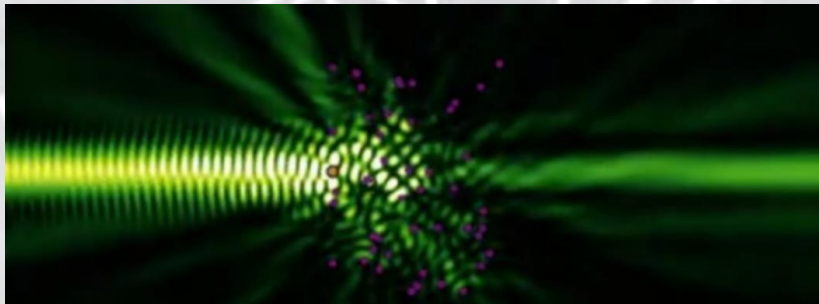
by
Prof Sir James Hough, Emeritus Kelvin Professor of Natural Philosophy, University of Glasgow

This talk will review progress in the field of gravitational wave detection from the first days of aluminium bar detectors to the present time where the laser interferometer detectors, Advanced LIGO and Advanced Virgo, have allowed gravitational waves to be detected, and are opening up a new field of gravitational multi-messenger astrophysics. Many experimental challenges had to be overcome and new challenges are presenting themselves as we look to further enhance the performance of ground-based detectors and to increase sensitivity to lower frequency waves with the space-based detector LISA. The most recent discoveries by the collaboration will be discussed.

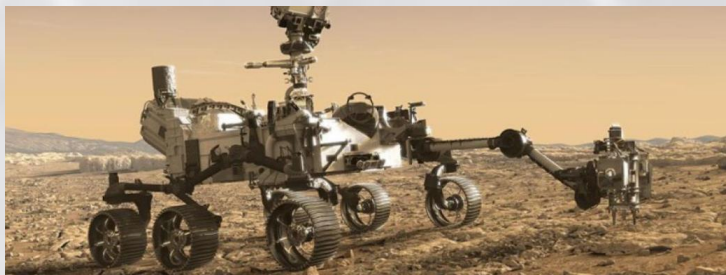
Sponsored by:
Cavendish Laboratory
IOP Institute of Physics

Tuesday 9th February 2021
16:00 – 16:50 Isaac Physics problem solving tutorial
17:00 – 18:00 CPC lecture online
For further information and registration, visit
https://isaacphysics.org/pages/cpc_lectures
There is no need to register if you just want to watch the lecture

10th February: Animating Physics - *“an enlightening journey in the abstract, mysterious and beautiful corners of modern physics”* <https://events.iop.org/animating-physics>



11th February: Extra-Terrestrial Geology *“explore what we already know about the Red Planet, and what we have yet to discover!”* <https://events.iop.org/extra-terrestrial-geology-exploring-mars-earth-bound-astronaut-0>



20th February – Festival of Tomorrow: <https://events.iop.org/festival-tomorrow-2021-0> *“Come along to hear scientists and engineers exchange knowledge and ideas with the public. We're also partnering with **science rapper Jon Chase** and challenging young people to write and perform on any science topic”*

26th February – Discussion Panel on *“Space Travel Across the Decades and Beyond”*. An incredible list of panellists including a chief scientist at NASA, members from the European Space Agency and the Soviet Space Council as well as the first American woman in space and the first Indian in space. <https://events.iop.org/discussion-panel-space-travel-across-decades-and-beyond-0>



2nd – 5th March – Free recordings – Particle Physics Masterclass. *“talks by leading Particle Physicists from RAL and CERN, tour one of our particle accelerators”*
<https://www.eventbrite.co.uk/e/registration-of-interest-particle-physics-masterclass-2021-at-ral-tickets-120176456015>

