Dear Physics fans,
Welcome back to the Sussex Universe. We would like to invite you to join us for a new set of cutting edge physics related evening talks.
The lectures are organised by the Department of Physics and Astronomy at the University of Sussex and offer a great range of topics in physics delivered by our excellent researchers and lecturers.
The Sussex Universe series is the second sequence of talks brought to you by our department alongside the IOP lecture series we have been offering for years.
The public events are held on the University campus once a month Thursdays at 7 pm.

The talks should last for an hour and will be followed by wine and nibbles.
They are open to all, no booking or tickets are required, and there will be a time for questions afterwards.
One week prior to the event a poster is distributed with the details of the upcoming talk such as, a title, short abstract, name of lecturer, exact place and time.
You can also find information about the upcoming talk on our webpage:
www.feelthegraphicx.org/initiatives/sussexuniverse
The Sussex Universe lecture series is a great opportunity for everyone to meet physics experts working at Sussex University and other world-leading research institutions, to learn about physics in an entertaining way and to talk to other students interested in science.

Topics covered in 2015-2016:
- Experimental Particle Physics: THE NEWLY UPGRADED LARGE HADRON COLLIDER (LHC)
- Cosmology: DARK ENERGY
- Mathematical Physics: RELATION OF MATHEMATICS AND PHYSICS
- Detector Physics: WAYS OF DATA COLLECTION AND ANALYSIS
- Quantum Physics: QUANTUM METROLOGY, QUANTUM INFORMATION AND OPTICS
- Neutrino Physics: NATURE OF NEUTRINOS

Time table for 2015-2016:

	Date:	Lecturer:	Theme:
SEASON 2 #1	Thursday 1 October 2015	Dr. Iacopo Vivarelli	The LHC after the Higgs boson discovery
SEASON 2 #2	Thursday 29 October 2015	Dr. Kathy Romer	Dark energy
SEASON 2 #3	Thursday 26 November 2015	Dr. Filippo Cagnetti	Mathematics and physics
SEASON 2 #4	Thursday 4 February 2016	Dr. Lily Asquith	Data analysis techniques and the LHC Sound
SEASON 2 #5	Thursday 3 March 2016	Dr. Diego Porras	Quantum optics and metrology
SEASON 2 #6	Thursday 14 April 2016	Dr. Elisabeth Falk	Behaviour of neutrinos

In season 2, the Sussex Universe lecture series invites you to attend exciting talks on the new Large Hadron Collider, dark energy, the beauties of maths and physics, considering everything from the tiny scale of quantum physics to cosmological orders. What is dark energy, how the various particles behave, what we do with scientific data from an experimental and a theoretical point of view, the role of women in STEM and many more will be discussed with the help of our greatest experts at the frontier of physics at Sussex.

For further information on history of the lecture series, how to find us, other outreach activities we offer and recorded lectures and photos posted, please visit
www.feelthegraphicx.org/initiatives/sussexuniverse

Should you have an inquiry regarding the talks, please do not hesitate to contact
Daniel Hajas at
dh256@sussex.ac.uk or by phone on
078 107 36 983.

We are looking forward to seeing you there,
Daniel Hajas - on behalf of the Department of Physics and Astronomy