

# **Queen Mary Dark Matter Day**

**Wednesday 31 October 2018 - Wednesday 31 October 2018**

**G.O.Jones Building, QMUL**

## **Scientific Programme**

On 31 October the world celebrates Dark Matter Day, and from 16:30 to 19:00 on that day the School of Physics and Astronomy is hosting an event at which you can discover more about the mysterious substance we call 'Dark Matter'.

Since the 1930s, a series of observations have revealed that around 85% of the matter in the Universe is in a form that is invisible and can only be detected via its gravitational effect on visible matter. We call it dark matter, but we still don't know what this strange "substance" actually is. On Dark Matter Day, researchers from the School of Physics and Astronomy will describe, in three short talks, how we know dark matter exists and what we are doing to try to figure out what it is made of. After the talks you will have the opportunity to ask questions and join us for refreshments.

Come to the Queen Mary Dark Matter Day Event and discover the mysterious substance called 'Dark Matter'. Hear about evidence for its existence and how teams of scientists are searching to find out exactly what it is. Listen to three talks given about this expedition all the way from the vast expanse of space to the inside of the smallest particles that make up all matter. Delve into the secrets of the universe alongside the researchers and ask them questions! Treats to be provided. A prize for the best physics-y costume.