

Calling WA High Schools...



2017 Australian Institute of Physics “Women in Physics” Event

19 July 2017 Murdoch University

Come celebrate the fantastic contributions that female physicists and scientists are making to our world, and the universe! Join us for a day of physics fun and inspiration with the Australian Institute of Physics Award winning lecturer, visiting WA for one day only,

Dr Katie “Astrokatie” Mack

Everything you wanted to know about Dark Matter but were afraid to ask

Dark matter surrounds us and binds the galaxy together. But what is it really? Are we sure it exists at all? Can it really be explained by tiny invisible particles? Find out what we know, how we’re searching for it, and how it differs from the other big cosmic mystery, dark energy.

Dr Katherine (Katie) Mack is an astrophysicist. Her work focuses on finding new ways to learn about the early universe and fundamental physics using astronomical observations, probing the building blocks of nature by examining the cosmos on the largest scales. Throughout her career as a researcher at Caltech, Princeton, Cambridge, and now Melbourne University, she has studied dark matter, black holes, cosmic strings, and the formation of the first galaxies in the Universe. Katie is also an active science communicator and is passionate about science outreach. As a science writer, she has been published by Slate, Sky & Telescope, Time.com, and other popular publications, and has been a columnist for Cosmos Magazine.

Activities for the day

Apart from the amazing 2017 Space Odyssey presented by Dr. Astrokatie, enjoy a range of physics, science and STEM activities and experiments on Bush Court, absorb the wonders of meteorites in a presentation by Phil Bland and there’s rumours of a science game show, too. Activities go from 9am to 2:30pm. You’ll learn a lot, while having fun.

Who should attend?

Like last year’s legendary AIP Women in Physics Day, all WA High School Science Classes Year 10-12 (girls and boys) are invited to attend a fun-filled science-loaded extravaganza on Murdoch University’s Bush Court Campus.

Date: **Wednesday 19 July 2017**

Location: **Perth Campus Murdoch University**

Time: **9.00am – 2.30pm**

To register your class’ attendance, sign your class up at experience.murdoch.edu.au or email Fiona Mochrie (Outreach@murdoch.edu.au).

Funding is available for regional school buses, and a free Subway lunch will be provided.