

Girls in Physics Breakfast

Friday, 15th May, 7:30am to 9:30am *

Shamrock Hotel, Bendigo

To: Women in, or planning for, a career in Science or Engineering

Would you like to:

- Have breakfast with a table of keen students and like-minded women?
- Answer the students' questions about university or working in Science and Engineering?

Then you are invited to the Girls in Physics Breakfast in Bendigo and ...
to also hear Dr Gail Iles speak on

'Human spaceflight and science in space'

- * From 9:30am to 10:00am, there are Careers in STEM Activities which are of value to students and guests alike.

Abstract: Space provides us with the unique environment of microgravity and vacuum in which to perform scientific experiments. On Earth, we can briefly recreate, microgravity conditions in drop towers and on board parabolic flights. These are used to test experiments that are intended for long-term use on the international space station. In this talk I will describe the types of experiments that benefit from microgravity, how to recreate microgravity on Earth, and the science that is currently being studied on the space station. The talk will conclude with the future plans of humanity and what science and technology we need in order to continue exploring our solar system.

Dr Gail Iles is a Physics Lecturer at RMIT, following working at ANSTO (Sydney), where she was an instrument scientist. Gail completed her PhD in experimental condensed matter physics at the University of Leicester (UK) before becoming a researcher for the European Space Agency - a position which saw her complete over 500 parabolas in the A300 Zero-G Airbus. From there she became an astronaut instructor at the European Astronaut Centre (Germany). Her current research interests include microgravity, magnetic nanoparticles, neutron and x-ray scattering and instrumentation design.



To attend, please register at www.vicphysics.org/breakfast.html by Thursday, 7th May.
There is no cost to you. Any queries: vicphys@vicphysics.org.

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