



EMILY CUMMINS

23, inventor

By the time she graduated last June, Emily had invented an award-winning fridge 'powered' by dirty water, and given the design to developing countries. She's now working on corporate social responsibility, and CragRats, an initiative to create sustainable links between young people and business.

ARLENE McCONNELL

30, engineer

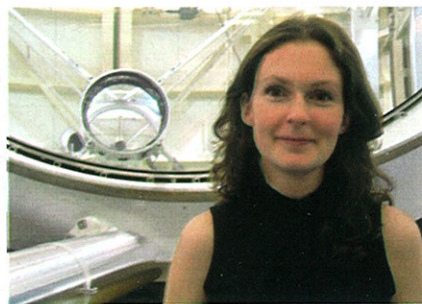
Arlene won Young Woman Engineer Of The Year last December for her work on a new fighter jet laser system. She's also a dab hand with radar, inventing parts for complex electronic radar systems. She worked in catering and in care, before fixing on a career in engineering after serving in the RAF.



DR LUCIE GREEN

35, astrophysicist

Widely recognised in her field as one of the best scientists in the world when it comes to understanding the sun and the solar system, Dr Green has also received a Royal Television Society award for her work communicating complex science to the rest of us. She also writes school text books and popular science journalism.



SARAH BLOW

29, software engineer

Sarah started running her Girl Geek Dinners networking events as a result of always being asked if she was someone's girlfriend at male-dominated IT events. They have spread to 26 countries and 77 cities, from Italy to Japan, and have gone from 35 attendees at the first dinner to nearly 28,000 taking part worldwide.

SARAH CURTIS

26, engineer

Sarah won the Women's Engineering Society prize in 2010 for her work with the energy company E.ON, where she runs a team of 11, exploring low carbon energy. She promotes science and technology in schools and colleges, and works with The UKRC, a body encouraging women into science.



DR JANINE ERLER

32, scientist

Dr Erler leads a team who discovered what scientists call "the missing link" in understanding cancer – the biological factors that allow cancer to spread through the body, something that causes 90% of deaths from the disease. She works at the Institute Of Cancer Research and her team's findings could lead to new treatments being developed.