

School of Physical Sciences Seminar

Amber Gell

Spacecraft Systems Engineer, NASA

Tuesday 5th April 2016

Science Building, XG22, 15:00

Biography

Amber's extensive experience includes her work as a Spacecraft Systems Engineer, designing and developing numerous subsystems for the Orion Spacecraft, the Multipurpose Crew Vehicle (MPCV), NASA's new spacecraft for Deep Space Exploration. She has contributed her expertise to various areas such as: Space Life Sciences; Bioastronautics, Human Performance in Extreme Environments, Rendezvous, Proximity and Docking Operations, Landing and Recovery Systems, Engineering Integration, Flight Test, Risk Management, and Leading Proposal Development efforts. She is especially passionate about participating in education outreach activities that engage the engineers of tomorrow and inspire the bright minds of the future.

Amber holds multiple degrees in aerospace engineering, business, and physiology. She is an alumna of Embry-Riddle Aeronautical University in Daytona Beach, Florida, where she received a Bachelor of Science degree in Aerospace Engineering and a second Bachelor of Science degree in Aerospace Studies, with minors in Human Factors Engineering, Psychology, and Advanced Mathematics. Ms Gell has also received a Master of Science degree in Human Performance, a Master of Engineering degree in Space Systems Engineering, a Master of Business Administration (MBA) degree, specialising in International Business, and a Master of Science degree in Finance. Ms Gell splits her time between "Rocket Science," numerous Education Outreach efforts, Microgravity Research, lifelong learning, and fitness activities. She has won several awards for her outstanding contributions to the Aerospace Community and educational outreach, including the 2013 Women in Space Science Award.