

Cleaning Up Space Junk with Lasers

A National Science Week event with Dr Ben Greene

A catastrophic space junk collision that would render the upper reaches of the atmosphere unusable is not a matter of if, but when, space environment experts have warned.

Space Environment Research Centre CEO Ben Greene said a lack of data on junk in orbit was "endangering access to space".

"There is so much debris that it is colliding with itself, and creating more debris. A catastrophic avalanche of collisions which could quickly destroy all orbiting satellites is now possible," Dr Greene said.

ABC News

31 May, 2017

ABC News, 31 May, 2017

Looking to spend the Ekka Show Holiday away from the crowds, rides and show bags?
Looking for something for the whole family?



Queensland Academies invites...

Students, parents and friends of our school community, to attend a special presentation by esteemed scientist, Dr Ben Greene.

When: Wednesday, 16 August Brisbane Ekka Public Holiday at 9.30 – 11.00am

Where: Queensland Academies Science Mathematics and Technology
Campus 78 Bywong Street, Toowong (Enter by Gate 2)

Cost: \$15 per head

We invite you to stay on for morning tea to connect with other QA families in an informal setting. You may register for this special event through the eventbrite link below.

Dr Greene will introduce the Space Environment Research Centre (SERC), a multinational research collaboration for the management and mitigation of space debris. SERC's mission involves developing and commercialising technologies to reduce the threat to space-based infrastructure from space debris. SERC research leverages very accurate information from new optical space tracking facilities in Australia to develop viable near-term strategies to move debris in space using only ground-based lasers. The first on-orbit tests of this approach using full-scale lasers will take place in 2019.

Dr Ben Greene is the founder and Chief Executive Officer of Electro Optic Systems (EOS). Dr Greene is internationally recognised for his expertise in Space research and the development and commercialisation of innovative solutions in the tracking, monitoring and management of space debris. He is also an author of numerous patents and the architect of a number of international space tracking systems. Dr Greene is also a leader in space technology programs for geodesy, gravity field determination, GNSS development, space navigation, remote sensing, satellite systems, high power lasers, inter-continental time transfer and space surveillance.

Dr Greene is a member of a number of national and international science boards and councils including Australia's Prime Ministers Science, Engineering and Innovation Council (PMSEIC), Network (WPLTN). He is the recipient of awards and citations including the NASA Achievement Award (1986) and the Warren Centre Innovation Medal (2009). Until 1986 Dr Greene was the Director of national programs for space tracking and national standards for time and frequency for the Commonwealth of Australia and team leader for bilateral US-Australia space sensing program.

REGISTER: <https://www.eventbrite.com.au/e/dr-ben-greene-cleaning-up-space-junk-with-lasers-tickets-36601914311>