



LECTURE

Why satellite networking often isn't really satellite networking, and what can be done about it: moving satellites towards a fuller networking role.

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Abstract

Networking via satellites is currently done by a range of separate, non-interoperable systems that provide very different services over their own satellite link protocols to their own users. Isolated satellites supporting these systems cannot communicate directly with their incompatible satellite neighbours. This talk outlines how trends towards satellite spotbeams, complex payloads and onboard DSP could be leveraged to introduce increasing interoperability and direct communication between systems and satellites, and bring increased networking into space.

Biographical Note: Lloyd Wood

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Dr Lloyd Wood is a space initiatives manager for Cisco Systems' Global Defense and Space Group. Prior to that, he spent some years hacking on IOS, Cisco's router software, and contributing to the IETF. Lloyd gained his PhD from the Centre for Communication Systems Research at the University of Surrey, where he focused on internetworking and satellite constellations. He's currently secretary of the Internet Society's Interplanetary Internet effort.

Date and Time: Thursday, 9th October at 9:40 am
Location: Laby Theatre, Physics Building
University of Melbourne