



SPACE EXPLORATION SYMPOSIUM OCTOBER 4-5, 2016

OFFICIAL PROGRAM

Talks (Oct. 5th, ETLIC Solarium)

2:00 PM: Opening remarks

2:05 PM: Ex-Alta 1 Cube Satellite: Objectives and Upcoming Launch

Charles D. A. Nokes, Collin Cupido, David M. Miles, Duncan G. Elliott, Ian R. Mann, AlbertaSat Team

2:25 PM: Looking forward with Ex-Alta 2

Tyler D. Hrynyk, John Grey, Darian Van Paridon, Corbin Cooper, Ruth Ferrari, Christopher Robson, Charles Nokes, David Miles, Dan Sameoto, Duncan G. Elliot, Ian R. Mann, AlbertaSat Team

2:45 PM: CATSSAT - A Thermal Modeling Solution for a CubeSat

Dylan Brenneis, Juliana Dobbie, Dylan Zingle, Stephen Marshall, Caleb Schiltroth

3:05 PM: Towards multi-point spacecraft constellations for future space missions

David Miles

3:25 PM PHAGESat – A proposal for Ex-Alta 2

Dan Sameoto

3:45 PM The University Rover Challenge

Mackenzie Hart, Tarun Thomas, Roberto Mkumbukwa

4:05 PM Cold curation of Returned Planetary Samples: The Wave of the Future?

Christopher Herd

4:25 PM Poster session (see Guide to Posters below)

5:00 PM KEYNOTE: Asteroid Anchors, Rock Climbing Robots, Gecko Grippers, and Other Ways to Stick in Space

Aaron Parness, NASA Jet Propulsion Laboratory

Guide to Posters

Novel materials for Space

Investigation of dry adhesive for space debris capture

Deepak Bareth, Babak Soltannia and Dan Sameoto

Space Physics

Multi-satellite and Conjugate Ground-based Studies of Magnetosphere-Ionosphere Coupling at Substorm Expansion Phase Onset

Stavros Dimitrakoudis, Ian R. Mann, Kyle R. Murphy, I. Jonathan Rae, Mick Denton, David K. Milling

Swarm satellite observations of dynamic, large-amplitude, filamented magnetic field structures in dayside polar regions during steady northward IMF

Ivan P Pakhotin, Ian R Mann, Johnathan K Burchill, Colin Forsyth, Jonathan Rae, David J Knudsen, Kyle R Murphy, Jesper W Gjerloev, Louis Ozeke, Georgios Balasis and Ioannis A Daglis

Meteorites and Impact Structures

Trace Elements in Martian Meteorites and the Olivine Peritectic Reaction: Insights from Tissint Experimental Petrology

N. Castle, C. D. K. Herd

Water Abundance in the Tagish Lake Meteorite from TGA and IR spectroscopy: Evaluation of Aqueous Alteration

C.M. Gilmour, C.D.K. Herd, E.A. Cloutis, M. Cuddy, and P. Mann

Impact Melt Clasts in the Steen River Impact Structure

E. A. MacLagan, C. D. K. Herd, E. L. Walton

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