Talks (Oct. 5th, ETLC 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

ISSET gratefully acknowledges support from the

**Royal Astronomical Society of Canada, Edmonton Centre**
for travel funding for the symposium speakers