Contribution ID: **1401** Type: **Oral (Non-Student) / orale (non-étudiant)**

Swarm Canada: Accomplishments and Opportunities

Tuesday 14 June 2016 09:30 (15 minutes)

Launched in November 2013, European Space Agency's Swarm mission* is now halfway through its nominal science mission. Swarm's on-board experiments, including the Canadian Electric Field Instruments, continue to collect scientific data daily in conjunction with ground-based observatories in Canada and elsewhere. Numerous scientific investigations have been completed or are underway, covering topics from electrodynamics of auroral arcs and pulsations to polar cap patches, Poynting flux, ionospheric structure and thermal balance, and ULF waves. However, only a small fraction of Swarm data have been exploited scientifically, and countless opportunities remain. This talk will summarize the capabilities and potential of the Swarm data with the aim of stimulating new projects and collaborations.

Acknowledgement: Canada's participation in Swarm is supported by the Canadian Space Agency and NSERC.

Author: Prof. KNUDSEN, David (University of Calgary)

Co-author: Dr BURCHILL, Johnathan (University of Calgary)

Presenter: Prof. KNUDSEN, David (University of Calgary)

Session Classification: T1-4 Ground-based and In Situ Observations I (DASP) / Observations sur terre et in situ I (DPAE)

Track Classification: Atmospheric and Space Physics / Physique atmosphérique et de l'espace (DASP-DPAE)