

Séminaire vendredi 25 avril 2014 11h TE / Seminar **Friday** April 25th 2014 11h ET

Sujet/Subject: **Synthetic Aperture RADAR (SAR): Current and Future Missions**

Conférencier/Lecturer: David Bradley(NCR)

Langue/language : Anglais/English

Salle/Room: Des vents (Dorval)

wiki: https://wiki.cmc.ec.gc.ca/wiki/RPN_Seminars

iweb: <http://web-mrb.cmc.ec.gc.ca/mrb/rpn/SEM/>

web: <http://collaboration.cmc.ec.gc.ca/science/rpn/SEM/index.php>

Résumé/Abstract:

The future of Earth Observation (EO) will include many SAR missions. As SAR data becomes readily available and accessible, there is an increase the number of applications that can benefit from SAR's advanced EO capabilities. This presentation will provide an overview of the current and future SAR missions (including RADARSAT-2, RCM, Sentinel-1) and introduce some of the mature and evolving applications areas. We will explain the unique characteristics of SAR satellites, SAR data reception, processing and access, and the fundamentals of SAR image interpretation. This seminar will summarize the critical elements of SAR remote sensing which are important to understand if you plan to use SAR data in your applications.