

Atelier Solaire Canadien 2018/Canadian Solar Workshop 2018
Station de Biologie des Laurentides, 1–3 November 2018

SCIENTIFIC PROGRAMME

Thursday 1 November

≥16:00 Arrival and registration

Friday 2 November

08:45 Welcome; Paul Charbonneau

09:00 Ken Tapping: Solar behavior: the latest

09:25 Ljubomir Nikolic: Development of geomagnetic activity forecasts

09:50 Nishant Narechania: An integrated solar wind-MHD model for space weather forecasting

10:15 Coffee Break

10:45 Alexander Ruzmaikin (Keynote talk): Clustering of coronal mass ejections

11:35 David Boteler: space weather and geomagnetically-induced currents

12:00 Lunch

14:00 Julio Valdes: TBA

14:25 Benoit Tremblay: Data assimilation and machine learning to set the stage for the forecast of short-term solar activity

14:50 Lucie Freret: High-order implicit time stepping with high-order finite volume scheme for unsteady three-dimensional resistive MHD

15:15 Coffee break

15:45 Andrés Muñoz-Jaramillo (Keynote talk): Now you see it now you don't: challenges and limitations of the long-term sunspot number record

16:35 François Labonville: Prediction of solar cycle 25

17:00 Melinda Nagy: How meridional inflows affect the solar cycle

Saturday 3 November

09:00 David Thomson: Solar waves in the oceans

09:25 Paul Prikryl: Rapid intensification of tropical cyclones in the context of solar wind-magnetosphere-ionosphere-atmosphere coupling.

09:50 Christian Thibeault: Predictability of avalanche models of solar flares

10:15 Coffee break

10:45 Pierre Langlois: CSA debrief

11:10 Dave Riegert: Offset transfer function modelling: results so far

11:35 Reza Ghoddousi-Fard: GNSS ionospheric monitoring at the canadian geodetic survey

12:00 Lunch

13:00 Paul Prikryl: GPS Phase scintillation, auroral emission and electrojet currents during two geomagnetic storms

13:25 Lidia Nikitina: Extreme analysis of transient protons with use of HEO satellite data

13:50 Paul Charbonneau: Final group discussion and closure of meeting

Please note:

- Contributed presentations are 45 minutes, +5 minutes for questions
- Keynote presentations are 20 minutes, +5 minutes for questions
- Coffee breaks are 30 minutes, lunch breaks are 1 or 2 hours
- As usual advanced technology will be deployed to ensure we stay on schedule.