

Sujet: [ESWW13] - Topical Issue "Developing New Space Weather Tools: Transitioning fundamental science to operational prediction systems"

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De: esww <[esww.loc@stce.be](mailto:esww.loc@stce.be)>

Pour: Esww <[esww.loc@stce.be](mailto:esww.loc@stce.be)>

Copie: Shaun Bloomfield <[shaun.bloomfield@northumbria.ac.uk](mailto:shaun.bloomfield@northumbria.ac.uk)>, Giovanni Lapenta <[giovanni.lapenta@kuleuven.be](mailto:giovanni.lapenta@kuleuven.be)>

Dear Colleagues,

Topical Issue on "Developing New Space Weather Tools: Transitioning fundamental science to operational prediction systems"

Deadline: 28 April 2017

The open-access Journal of Space Weather and Space Climate (SWSC; <http://www.swsc-journal.org/> <<http://www.swsc-journal.org/>>) plans a topical issue on "Developing New Space Weather Tools: Transitioning fundamental science to operational prediction systems", to appear in 2017. This interdisciplinary issue is an outcome of Session 5 and Session 7 at the 13th European Space Weather Week (ESWW13) conference in November 2016 that brought together solar, space and Earth scientists, statisticians, operational forecasters and industry stakeholders. This Topical Issue will focus on the creation of new space weather prediction tools and highlight best practices applied in transitioning existing research tools to operational systems.

Authors of oral and poster presentations given at the ESWW13 conference are hereby encouraged to submit manuscripts. However, this Topical Issue is completely open to all contributors (i.e., it is not limited to conference participants).

This Topical Issue will address, among others:

- guidelines/requirements for operational space weather predictions;
- advances in existing research-oriented prediction systems;
- implementation of research-oriented models/tools in operational settings;
- robustness, reliability and testing of near-real time observations for space weather modelling;
- near-real time prediction system verification.

Manuscripts must be submitted in PDF format via the SWSC online submission tool (<https://articlestatus.edpsciences.org/is/swsc/> <<https://articlestatus.edpsciences.org/is/swsc/>>). The deadline for submissions is 28 April 2017.

All manuscripts will be peer reviewed according to the quality standards of international scientific journals. The type of contributions must fit the style of SWSC. All manuscripts should contain enough new insight, present the results against a properly referenced background of existing work, and present adequate evidence that supports the conclusions. Accepted papers are published in electronic format only, and are freely available to everyone via the SWSC web site. SWSC offers the possibility to include electronic material, such as animations, movies, codes and data.

The Topical Editors-in-Chief are:

- D. Shaun Bloomfield ([shaun.bloomfield@northumbria.ac.uk](mailto:shaun.bloomfield@northumbria.ac.uk) <<mailto:shaun.bloomfield@northumbria.ac.uk>>)

- Giovanni Lapenta (giovanni.lapenta@kuleuven.be <mailto:[giovanni.lapenta@kuleuven.be](mailto:giovanni.lapenta@kuleuven.be)>)

For questions regarding this topical issue, please contact any of the Topical Editors. For questions concerning the submission process the Editorial Office (swsc@edpsciences.org <mailto:[swsc@edpsciences.org](mailto:swsc@edpsciences.org)>) should be contacted.

Please find below some additional information on the journal:

- SWSC is ISI-listed and has a 2015 impact factor of 2.846
- SWSC is an open access (gold) journal
- Accepted SWSC publications are subject to an article processing charge (APC) of 800 EUR+tax, covering:
  - o an up-to-date infrastructure for the article submission and evaluation process
  - o publication of content in various formats adapted to different reading habits
  - o long-term content access and preservation
  - o tools for indexation and discoverability
  - o language editing service

Best regards,

Shaun