Second Announcement and Call for Papers

14th Quadrennial Solar-Terrestrial Physics Symposium
July 9 – 13, 2018 Toronto, Canada

The SCOSTEP Quadrennial Solar-Terrestrial Physics (STP) Symposia are the premier venue to update the progress in all aspects of Sun-Earth connection. These symposia have a long tradition, starting in 1966. The fourteenth symposium (STP14) will follow this tradition and provide an excellent opportunity to assess the current status of STP and to discuss the scientific accomplishments of the current scientific program VarSITI (Variability of the Sun and Its Terrestrial Impact) and look forward to SCOSTEP's future programs.

After a gap of 36 years, STP14 will be held in Canada during July 9-13 2018 and will be hosted by the Centre for Research in Earth and Space Science of York University, Toronto. All relevant information can be found at the symposium website: http://www.scostepevents.ca.

The registration and abstract submission are now open.

Important deadlines:

- Submit Abstracts……... By 15 Feb 2018
- Notification - Acceptance/Rejection…… By 30 Mar 2018
- Early-bird Registration & Payment…….. By 15 Apr 2018
- All Registration & Payment……..…….. By 15 May 2018
- Reduced Fee/Other support – Application…….…… By 15 Feb 2018
- Reduced Fee/Other support Application - Notify Results…….. By 30 Mar 2018
- Accommodation……..…… By 15 May 2018

The scientific sessions of STP14 will feature the three major chains of physical processes operating in the solar-terrestrial domain: (i) the mass chain in the form of plasma and particles emitted from the Sun, (ii) the electromagnetic radiation chain in the form of irradiance and flare emissions, and (iii) the intra-atmospheric chain representing energy flow from the Earth into space. In addition, there will be a set of special sessions that are of current interest in solar terrestrial physics. The Scientific Program will include the following sessions:

1. Mass Chain

a. *Origin, evolution, and Earth impact of coronal mass ejections*
Committee: C. Rodger, K. Cho, K. Shiokawa, J. Bortnik, M. Temmer, V. Obridko, I. Mann
Lead conveners: J. Zhang, S. Kanekal, V. Kuznetsov

b. *Origin, evolution, and Earth impact of high speed streams*
Committee: K. Georgieva, S. Kanekal, C. Rodger, J. Bortnik, M. Temmer, J. Zhang, I. Mann
Lead conveners: M. Temmer, V. N. Obridko

c. *Origin, evolution, and Earth impact of energetic particles from solar, magnetospheric and galactic sources*
Committee: K. Shiokawa, C. Rodger, S. Kanekal, B. Heber, I. Mann
Lead conveners: B. Heber, S. Kanekal

2. Electromagnetic Chain

a. *Long-term solar variability (magnetism, total irradiance, and spectral irradiance) and its impact on geospace and Earth*
Committee: P. Charbonneau, D. Nandi, D. Marsh, F-J Lübken, K. Georgieva, V. N. Obridko
Lead conveners: K. Georgieva, P. Charbonneau

b. *Origin of solar flares and their impact on Earth's ionosphere/atmosphere*
Committee: K. Shiokawa, K. Cho, M. Temmer, J. Zhang
Lead conveners: K. Cho, K. Shiokawa, D. Marsh, F.-J. Lübken, V. N. Obridko

3. Intra-Atmospheric Chain

a. *Geospace response to variability of the lower atmosphere*
Committee: T. Nakamura, K. Shiokawa, D. Marsh, W. Ward
Lead conveners: K. Shiokawa, W. Ward

b. *Trends in the entire atmosphere, including anthropogenic aspects*
Committee: D. Marsh, F.-J. Lübken, T. Nakamura, K. Georgieva
Lead conveners: D. Marsh, K. Georgieva

c. *Regional, hemispheric and inter-hemispheric couplings and transport in the atmosphere*
Committee: F.-J. Lübken, T. Nakamura, K. Shiokawa, W. Ward
Lead conveners: Kazuo Shiokawa and William Ward

d. *Magnetosphere - Ionosphere - Thermosphere coupling in SC 24*
Committee: Ian Mann, Kazuo Shiokawa, William Ward, Andrew Yau
Lead conveners: A. Yau, I. Mann

4. Special Topics

a. *Long-term Sun-Earth-Climate chain*
Committee: P. Martens, D. Nandi, P. Charbonneau, D. Marsh
Conveners: P. Martens, D. Nandi

b. *Space Weather*
Committee: N. Nitta, C. Rodger
Conveners: N. Nitta, K. Shiokawa

c. *Will Cycle 25 be special?*
Committee: V. Obridko, I. Kitiashvili, A. Kosovichev, J. Javaraian, N. Kleeorin
Convener: V. N. Obridko

d. *New Missions (space, ground) for STP*
Committee: N. Gopalswamy, F.-J. Lübken, J. Zhang, S. Kanekal, M. Temmer
Conveners: N. Gopalswamy, F.-J. Lübken

Scientific Organizing Committee: Nat Gopalswamy, USA (Chair); Franz–Josef Lübken, Germany (Vice-Chair); Kyung-Suk Cho, South Korea; Vladimir Kuznetsov, Russia; Daniel Marsh, USA; Takuji Nakamura, Japan; Craig Rodger, New Zealand; Annika Seppälä, New Zealand; Katya Georgieva, Bulgaria; Kazuo Shiokawa, Japan; Jacob Bortnik, USA; Paul Charbonneau, Canada; Donald Danskin, Canada; Ian Mann, Canada; Petrus Martens, USA; Dibyendu Nandi, India; Vladimir Obridko, Russia; Jean-Pierre St. Maurice, Canada; Manuela Temmer, Austria; William Ward, Canada; Yihua Yan, China; Andrew Yau, Canada and Jie Zhang, USA.

Local Organizing Committee: Marianna Shepherd (Chair), Spiros Pagiatakis, James Whiteway, William Ward.