

VarSITI report

Katya Georgieva and Kazuo Shiokawa

VarSITI co-chairs

SCOSTEP's scientific program 2014-2018



**Variability of the Sun and Its Terrestrial Impact
(VarSITI) 2014-2018**
SEE / ISEST-MiniMax24 / SPeCIMEN / ROSMIC

[About](#) [Organization](#) [Projects](#) [Meetings](#) [Publications](#) [Resources](#) [News](#) [HOME](#)

Good Afternoon.
Welcome to: [Variability of the Sun and Its Terrestrial Impact \(VarSITI\)](#)

© VarSITI 2021

Variability of the Sun and Its Terrestrial Impact

The **VarSITI** program is the next scientific program of **SCOSTEP** (2014-2018)

VarSITI was defined based on a community effort in the form of a forum organized by the **International Space Science Institute (ISSI)** in *Bern* during *May 7-8, 2013*. The **VarSITI** program will strive for international collaboration in data analysis, modeling, and theory to understand how the solar variability affects Earth.

The **VarSITI** program will have **four scientific elements** that address solar terrestrial problems keeping the current low solar activity as the common thread:

- ✓ **SEE** (**S**olar **E**volution and **E**xrema),
- ✓ **MiniMax24/ISEST** (**I**nternational **S**tudy of **E**arth-affecting **S**olar **T**ransients),
- ✓ **SPeCIMEN** (**S**pecification and Prediction of the **C**oupled **I**nnner-**M**agnetospheric **E**nvironment),
- ✓ **ROSMIC** (**R**ole **O**f the **S**un and the **M**iddle atmosphere/thermosphere/ionosphere **I**n **C**limate).



**Special issue of the
VarSITI Completion Symposium and the STP-14**

Journal : **Journal of Atmosphere and Solar-Terrestrial Physics**
Editors-in-Chief: *Dr. Dora Pancheva, Dr. Michael Denton*

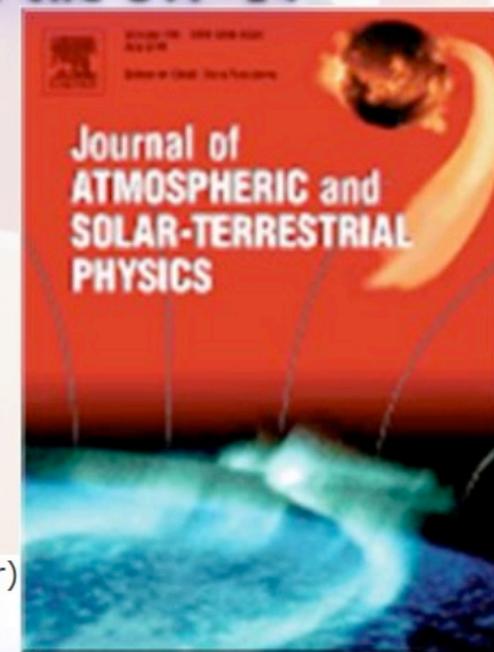
The Guest Editors of this Special Edition:

Kazuo Shiokawa: **Magnetosphere**, Chief Guest Editor
Rositsa Miteva: **Solar Physics**
Sergio Dasso: **Solar Wind and Cosmic Rays**
Shunrong Zhang: **Ionosphere**
Duggirala Pallamraju: **Aeronomy**

Non-participants of VarSITI2019/STP-14 can also submit papers to this special issue.

The deadline of submission was ~~November 30, 2019~~
has been extended to **February 28, 2020**

Impact factor: 1.492 (2018), 1.478 (5-year)
Not Open access (open access: 2550 USD)
Free for authors



20 articles accepted so far

Special issue of PEPS with review papers on **the whole VarSITI program and its 4 projects: **SEE**, **ISEST-MiniMax**, **SPeCIMEN**, and **ROSMIC****

Shiokawa and Georgieva, **A review of the SCOSTEP's 5-year Scientific program VarSITI – Variability of the Sun and Its Terrestrial Impact**

Nandy, Martens, Obridko et al., **Solar Evolution and Extrema: Current State of Understanding**

Zhang, Temmer, Gopalswamy et al. **Earth-affecting Solar Transients: A Review of Progresses in Solar Cycle 24**

Kanekal and Miyoshi, **Dynamics of the terrestrial radiation belts: A review of recent results during the VarSITI (Variability of the Sun and Its Terrestrial Impact) era, 2014-2018**

Ward, Seppälä et al., **Role Of the Sun and the Middle atmosphere/thermosphere/ionosphere In Climate (ROSMIC): A retrospective and prospective view**

