

International Conference of VarSITI SCOSTEP “Superflares and Activity of the Sun in the Cycle Formation Epoch”

Place of the conference: Katsrin & Tel Aviv, Israel

Time of the conference: 28 April 2015 – 01 May 2015

Conference sponsored by SCOSTEP and Tel Aviv University.

Main deadlines:

- **Letter of interest to participation:** 28 Feb 2013.
 - **Abstracts submissions deadline:** 31 March 2013.
 - **Hotel reservation deadline:** 01 April 2013
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Scientific Organizing Committee:

Chairman - Prof. Maria M. Katsova, e-mail address maria@sai.msu.ru

[Prof. D. Sokolov,](#)

[Prof. M.A.Livshits](#)

Local Organization Committee

Chairman – Dr. Lev Pustil’nik, e-mail address levpust@post.tau.ac.il

Prof. L.Dorman

Prof. M. Reuveni

Aim of the conference:

At present, solar researches and study of active late-type stars achieve a significant advance thanks new observational facilities and progress of the theory. The problems of an evolution of activity at the billion year-time-scales start to be discussed. Superflares were detected on stars younger than the Sun, and the frequency of superflares occurrence was evaluated. The first hypotheses were proposed for evaluation of flare activity level and expected stellar wind fluxes at the epoch when the regular cycle on the Sun was only established. Now it is a time to discuss further directions of perspective investigations which are essential for evaluation of space factor affecting on geo- and bio-sphere in those epochs and space weather forecast.

Topics under discussion:

- # *Solar extreme flare events in the past and in the present days;*
- # *Superflares on late-type stars;*
- # *Evolution of the activity: from the stars with activity saturation to the Young Sun and the older stars;*
- # *Long-term variations of total irradiance of the Sun and late-type stars and cycles;*
- # *Stellar winds;*
- # *Possibilities of dynamo theory for providing of quasi-stationary activity and flares*

Site of the conference:

http://www.tau.ac.il/institutes/advanced/cosmic/Conferences/2015-VarSITI_Superflares/VarSITI-2015_ISR.html

Additional Information:

Immediately after the conference the workshop will have place workshop IsraSWAPS-2015 (“Space Weather And Plasma in Space”) in Katsrin & Tel Aviv in 03 May 2015 – 08 May 2015. Workshop site is:

<http://www.tau.ac.il/institutes/advanced/cosmic/Conferences/IsraSWAPS-2015/SWAPS-2015.html>

The aim of the meeting is to bring together scientists working in the areas of:

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- Solar Activity and Space Plasma
- Cosmic Ray and their variations
- Space Weather influence on the Earth environment
- Geophysics and Atmosphere Science as objects of Space Weather impacts.

Participants of the conference “Superflares and Activity of the Sun in the Cycle Formation Epoch” interested in participation in IsrSWAPS are invited to send corresponding request to secretary of the orgcommittee IsraSWAPS 2015 Dr. Lev Pustilnik: levpust@post.tau.ac.il up to 30 March 2015.