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* ISWI Newsletter - Vol. 15 No. 004 15 April 2023 *

* Editor: George Maeda, georgemaeda3[at]gmail.com *

* Archive of back issues: ISWI Website <https://iswi-secretariat.org/>

* Archive of all ISWI webinars: *

* <https://www.youtube.com/playlist?list=PLaOqa4cng0GF3cKuj6Yz5kqG1BQ-Akkhr>

Reminder that the ISWI Website is cooking with gas again:

<https://iswi-secretariat.org/>

The new webmaster is:

Dr. Kathleen Kraemer
Boston College, Institute for Scientific Research
Kenny Cottle Hall
885 Centre St.
Newton, MA 02459, United States
E-mail: kathleen.kraemer[at]bc.edu

Please contact Kathleen directly for praise, errors, suggestions, etc.

Another reminder:

If you have any time-sensitive announcements for our ISWI community, please send to me as quickly as you can. It should be two months ahead of the event. This newsletter aims to go out each month on the 15th.

Note:

Attached PDF files are now labelled with a 3-digit serial number.

-- Editor.

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[01] United Nations Workshop on the International Space Weather
: Initiative: The Way Forward, 26 – 30 June 2023, Vienna, Austria,

[02] SpaceX allegedly ignored warnings of bad space weather brewing

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: Space Weather Initiative, Dr. Manuela Temmer,

: Understanding Space Weather; 29 March 2023

[04] ISWI Seminar of 2023 by Dr Keith Groves;

: April 26th at 3 PM Central European Time (9 AM EDT; 6:30 PM IST).

[05] The United Nations Office for Outer Space Affairs (UNOOSA) is

: organizing the first Access to Space for All initiative Expert Meeting.

[01]-----

Dear George,

For the ISWI Newsletter:

The United Nations Office for Outer Space Affairs would like to remind interested parties that the application platform for the United Nations Workshop on the International Space Weather Initiative: The Way Forward, 26 – 30 June 2023, Vienna, Austria, will close on 23 April 2023:

<https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2023/2023-iswi-workshop.html>

Further information can be found in the Information Note:

https://www.unoosa.org/documents/pdf/psa/activities/2023/ISWI2023/InfoNote_ISWI_2023_Vienna_FINAL.pdf

Direct link to the application form (Deadline: 23 April 2023):

<https://forms.office.com/e/VKLE7F9XJ1>

Best regards,

Patrick

[02]-----

See this link:

<https://www.inverse.com/science/now-we-know-how-a-solar-storm-took-out-a-fleet-of-starlinks>

[03]-----

Dear participants,

The United Nations Office for Outer Space Affairs is pleased to inform you that the recording of the tenth webinar on the International Space Weather Initiative, Dr. Manuela Temmer, Understanding Space Weather - an interdisciplinary field of research, which took place on Wednesday, 29 March 2023, is now available on the YouTube channel of the Office: <https://youtu.be/Tnx7NDB4J78>

The current, as well as all previous ISWI webinar sessions can be accessed through the website of the Office at:

https://www.unoosa.org/oosa/en/ourwork/psa/bssi/iswi_webinars.html

Best regards,

Patrick Gindler
Executive Secretariat of the International Committee
on Global Navigation Satellite Systems (ICG)
United Nations Office for Outer Space Affairs (UNOOSA)
Vienna, Austria

[04]-----

FROM:

Dra. María Graciela Molina
Professor FACET -UNT
Researcher CONICET
Associated researcher INGV

Dear colleagues,

We are pleased to announce the next ISWI Seminar of 2023 by Dr Keith Groves scheduled for April 26th at 3 PM Central European Time (9 AM EDT; 6:30 PM IST).

To register for this virtual seminar, please send an email to:

iswisupport@bc.edu

Please include "ISWI Seminar Registration" in the subject line.

There is a limit of 300 participants, so please register your interest as soon as possible. The MS Teams link will be sent to registered participants 2 days before the event.

Seminars will be recorded. The playlist with the previous seminars, which will also include future sessions, can be accessed through the following link:

https://www.unoosa.org/oosa/en/ourwork/psa/bssi/iswi_webinars.html

With kind regards,
Graciela Molina
on behalf of the ISWI Seminar Committee

Title: Irregularities, Scintillations and System Impacts
Speaker: Dr Keith Groves

Abstract:

The formation of plasma structure and turbulence in the ionosphere has long been a topic of interest in space physics, both from a scientific perspective and because of the associated radio wave propagation effects. From a space weather perspective, these effects are among the most relevant features of the ionosphere. The presentation will describe common phenomena leading to irregularity formation, the physics of corresponding radio frequency scintillation processes, and the impacts that such processes can have on critical navigation and communication systems. Some discussion of future topics related to this important aspect of space weather will also be included.

See this flyer:
001_Keith Groves webinar

[05]-----

The United Nations Office for Outer Space Affairs (UNOOSA) is organizing the first Access to Space for All initiative Expert Meeting.

The purpose of the Expert Meeting is to share success stories and challenges in capacity-building activities and effective outreach, discuss how to improve the capacity-building activities of the initiative, and bring together government, space agencies, research institutes, academia, non-governmental organizations, industry, and anyone interested in being part of Access to Space for All.

See this document:

002_access-to-space-for-all EXPERT MEETING of 15-17 May

*****[End of this issue of the ISWI Newsletter]*****

Irregularities, Scintillations and System Impacts



Dr. Keith Groves
Boston College

The formation of plasma structure and turbulence in the ionosphere has long been a topic of interest in space physics, both from a scientific perspective and because of the associated radio wave propagation effects. From a space weather perspective, these effects are among the most relevant features of the ionosphere. The presentation will describe common phenomena leading to irregularity formation, the physics of corresponding radio frequency scintillation processes, and the impacts that such processes can have on critical navigation and communication systems. Some discussion of future topics related to this important aspect of space weather will also be included.



Note

**Registration is
required to get
the telecon link.**

[UNOOSA]1st Access to Space for All Expert Meeting coming up: 15-17 May

UNOOSA Access to Space <unoosa-access-to-space@un.org>

Fri, Apr 14, 2023 at 6:18 PM

Dear colleagues,

1st Access to Space for All Expert Meeting is open for registration!

The United Nations Office for Outer Space Affairs (UNOOSA) is organizing the first **Access to Space for All initiative** Expert Meeting. The purpose of the Expert Meeting is to share success stories and challenges in capacity-building activities and effective outreach, discuss how to improve the capacity-building activities of the initiative, and bring together government, space agencies, research institutes, academia, non-governmental organizations, industry, and anyone interested in being part of Access to Space for All.

Details:

[Date] Monday 15- Wednesday 17 May 2023 1pmCEST

[Venue] ONLINE on Microsoft Teams

[Registration] <https://forms.office.com/e/Md6F2jVVPm>

[Deadline for Registration] Sunday 14 May 2023

For more details, see the UNOOSA website: <https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2023/accspace4all-expert-meeting.html>**<Open Opportunities>****• Kibo Robot Programming Challenge (Kibo-RPC)**

Kibo-RPC is an educational opportunity where students will obtain and test programming skills to solve various problems by moving free-flying robots (Astrobee and Int-Ball) in a simulation environment.

The UNOOSA international slot is open to students in developing economies and economies in transition that are NOT Kibo-RPC participating countries or regions.

For more information, see the [JAXA Kibo-RPC 4th mission website](#), the Guidebook, and [Kibo-RPC UNOOSA Rounds page](#).

Registration to the UNOOSA international slot: <https://forms.office.com/e/CCy1Cba5iQ>

Registration Deadline: Sunday 14 May 2023 16:59CEST

*UNOOSA will limit the registration to 50 teams. In case there is a large number of registrations, UNOOSA reserves the right to close the registration before the deadline.

<Workshops Open for Application>**• UN/IAF Workshop on Space Technology for Socio-Economic Benefits**

The United Nations Office for Outer Space Affairs (UNOOSA) and the International Astronautical Federation (IAF) are co-organizing the annual Workshop on Space Technology for Socio-Economic Benefits. This year, the event is celebrating its 30th edition which will be hosted by Azercosmos with the theme "Challenges and Capacity-building Opportunities for Emerging Space Nations". The purpose of the Workshop is to bring together people who are conducting capacity-building activities, from either government, space agencies, research institutes, academia or non-governmental organizations and those who are interested in building partnerships to accelerate capacity-building in developing nations.

[Date] Friday 29 September-Sunday 1 October 2023, in conjunction with the 74th International Astronautical Congress (IAC)

[Venue] Baku Convention Centre, Baku, Azerbaijan

[Registration] <https://forms.office.com/e/Lxu6Mx0vsF>

[Deadline for Registration] Sunday 4 June 2023

[Financial Support] UNOOSA may provide funding for individuals selected as a speaker and whose nationality is classified as a developing country.

For more details, see the UNOOSA website: <https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2023/un-iaf-workshop.html>

• UN/Austria Symposium

The 2023 UN/Austria Symposium "Space for climate action: space applications and technologies for sustainability on Earth" aims to foster rich interactions on issues relevant to space for climate action among the participants. In addition to technical presentations and panel discussions, there will be poster exhibition, pitches, social events for networking, as well as an inclusive and engaging interactive session.

[Date] 12-14 September 2023

[Venue] HYBRID in Graz, Austria and online

[Registration] <https://forms.office.com/pages/responsepage.aspx?id=2zWeD09UYE-9zF6kFubccMNBRE6RQYZKnxsU4zHZR-xUMUFQOFBKSzBZR1ROSVY4WDZHUIBSRzVJRi4u>

[Deadlines] Deadline for submission of abstract: 11 June 2023

Deadline for registration to attend in-person: 30 June 2023

Deadline for registration to attend online: 7 September 2023

[Financial Support] UNOOSA may provide funding for individuals selected as a speaker and whose nationality is classified as a developing country.

For more details, see the UNOOSA website: <https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2023/un-austria-symposium-2023.html>

<Publications>

Access to Space for All for Sustainability Interview Series

This interview series focuses on the partners and the awardees in the initiative, where they explain how their programmes/projects are tackling the different SDGs.

- **NEW!** 5th article: "**[PHI: The Platform to Realize Your Dreams](#)**"
- 4th article: "**[DropTES: The Opportunity to Expand Your Horizon and its Contribution to the SDGs](#)**"
- 3rd article: "**[DropTES: The Stepping Stone into Space Activities and its Contribution to the SDGs](#)**"
- 2nd article: "**[How Education Through PNST Contributes to the SDGs](#)**"
- 1st article: "**[How Bartolomeo x ClimCam Project Contributes to the SDGs](#)**"

We would appreciate it if you could help us promote these activities to people who may be interested in them around you. Follow us on @UNOOSA on [Twitter](#), [Facebook](#), [LinkedIn](#) and [Instagram](#)

* If you would not like to receive any more emails, please send us an email to the below.

Sincerely,

UNOOSA Access to Space for All Team

unoosa-access-to-space@un.org

Space Applications Section, Vienna, Austria

United Nations Office for Outer Space Affairs (UNOOSA)

www.unoosa.org / <https://www.unoosa.org/oosa/en/ourwork/access2space4all/index.html>



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