Scientific Committee on Solar-Terrestrial Physics
General Council Meeting
Date/Time: 17:30-19:00 CEST (15:30-17:00 UT) on 14 July 2023
Place: Hybrid at Room R13 - City Cube, in Berlin, Germany (IUGG venue) and Zoom

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OPENING

1. Opening Remarks of the President

The President of SCOSTEP, Kazuo Shiokawa, welcomed participants and reviewed the purpose of the General Council Meetings which is described in the SCOSTEP Constitution. Kazuo stated that this meeting will be a review of SCOSTEP activities over the last two years. He welcomes this opportunity and will be grateful for the council's remarks and suggestions for future endeavors.

2. Approval of the Agenda

K. Shiokawa next presented the agenda of this meeting. It was approved by the participants without comment.

3. Approval of the minutes of the previous General Council Meeting

K. Shiokawa next requesting approval of the minutes of the General Council Meeting held via online on 25 February 2022. The minutes were delivered to the participants for their reviews prior to this meeting. Then the vote for approval was made by the participants and the minutes were approved.

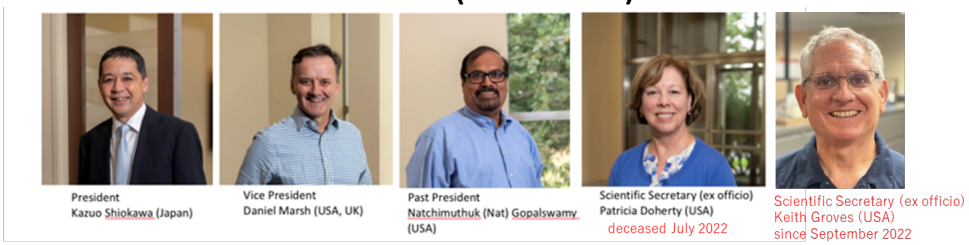
SCOSTEP UPDATES AND STATUS REPORTS ON ACTIVITIES

1. SCOSTEP Leadership Updates 2022-2023

SCOSTEP executives and Bureau members in 2022-2023 are reviewed. Unfortunately, Patricia Doherty, the former Scientific Secretary, passed away on July 2022, and Keith Groves, from the same institution of Pat (Institute for Scientific Research, Boston College), kindly took over her position. Annika Seppala rotated off from SCAR liaison member of Bureau and Liculla Alfonsi took over her position. Other members are not changed.

The SCOSTEP bureau is comprised of these executives together with representatives of the participating organizations of SCOSTEP. The following photo identifies the current Bureau members. The purpose of the Bureau is to direct the scientific, administrative and financial activities of SCOSTEP. The Bureau meets twice each year.

SCOSTEP Executives (2022 – 2023)



Bureau Members – Representatives of Participating Organizations

IUPAP
Pravata Kumar Mohanty
India

COSPAR
Yoshizumi Miyoshi
Japan

IAGA
Renata Lukianova
Russia

IAMAS
Peter Pilewski
USA

IAU
Kyung-Suk Cho
South Korea

SCAR
Lucilla Alfonsi
Italy

URSI
Jorge L. Chau
Germany

ISC-WDS
Mamoru Ishii
Japan

SCOSTEP wishes to thank outgoing Bureau members Dr. Annika Seppala (SCAR) who completed her terms as representatives of SCAR during the last two years.

2. SCOSTEP Membership Updates

There have been some changes in SCOSTEP Adherent Members. The following is a list of current SCOSTEP Adherent members together with the names of their representatives. In the last two years, Peru and Greece became adherent members. Currently, there are 34 Adherent members of SCOSTEP. The SCOSTEP bureau has formed a Membership committee to encourage new members to SCOSTEP. If anyone would like to recommend a country or geographical region with solar-terrestrial research and interests, please contact the scientific secretary (scostep@bc.edu).

SCOSTEP Membership Updates
Countries and Adherent Representatives

Australia – Dr. David Pontin
Austria – Prof. Manuela Temmer
Brazil – Prof. Jean-Pierre Raulin
Bulgaria - Dr. Kostadinka Koleva
Canada – Prof William Ward
China – Dr. Chi Wang
Croatia (new 2019) – Dr. Dragan Rosa
Czech Republic – Dr. Jana Safrankova
Egypt (new 2020) – Dr. Dalia Elfiky
Ethiopia – Dr. Gebregiorgis Abraha
Finland – Dr. Kalevi Mursula
France – Dr. Frederic Pitout
Georgia - Prof. Goderzi Didebulidze
Germany – Prof. Franz-Josef Leubken
Greece (new 2023) – Prof. Ioannis Daglis
Hungary - Dr. Andras Ludmany
India – Dr. Anil Bhadwaj
Indonesia – Prof. Erna Sri Adiningsih
Israel – Prof. Colin Price
Japan – Prof. Kazuo Shiokawa
Kenya – Prof. Paul Baki
New Zealand – Dr. Annika Seepala
Nigeria – Prof. Babatunde Rabiu
Norway – Prof. Nicolai Ostgaard
Peru (new 2023) – Dr. Danny E. Scipion
Poland – Prof. Hanna Rothkaehl
Russia – Dr. Evgeny Mareev
Slovakia – Prof. Milos Revallo
South Africa – Dr. Donald Ngobeni
South Korea – Dr. Kyung-Suk Cho
Switzerland – Dr. Marina Battaglia
China Academy located in Taipei – Acad. Lou-Chuang Lee
United Kingdom – Prof. Mark Lester
United States – Dr. Natchimuthuk Gopalswamy

3. New Scientific Discipline Representatives (SDRs)

A list of new 31 SDRs who were assigned by the Bureau in 2023 were presented. In addition to the current 10 SDRs, 41 SDRs are on the position, as below.

New Scientific Discipline Representatives

NAME	YEAR	COUNTRY	DISCIPLINE
Hilde Nesse	2020	Norway	Atmosphere - High Enery Plasma
Nandita Srivastava	2020	India	Geomagnetic Consequences of Solar Events
Petra Koucká Knížová	2020	Czech Republic	Ionosphere-Atmosphere Coupling
Natalie Krivova	2020	Germany	Long-term Solar Variability and Climate
Scott Mcintosh	2020	USA	Solar Physics
Thando Ndarana	2020	South Africa	Stratosphere-Troposphere Coupling
Seok-Woo Son	2020	South Korea	Stratosphere-Troposphere Coupling
Shigeo Yoden	2020	Japan	Sun-Climate
Eugene Rozanov	2020	Switzerland	Sun-Climate
Stergios Misios	2020	United Kingdom	Sun-Climate
Claudia Stolle	2023	Germany	Atmosphere-Ionosphere Coupling
Amitava Guharay	2023	India	Atmosphere-Ionosphere Coupling
Liliana Macotela	2023	United Kingdom	Atmosphere-Ionosphere Coupling
Scott England	2023	USA	Atmosphere-Ionosphere Coupling
Benoit Lavraud	2023	France	Interplanetary-Magnetosphere Coupling
Yuichi Otsuka	2023	Japan	Ionosphere
Joseph Olwendo	2023	Kenya	Ionosphere
Maaijke Mevius	2023	Netherlands	Ionosphere

New 31 SDRs are assigned in addition to the current 10 SDRs

NAME	YEAR	COUNTRY	DISCIPLINE
Daniel Okoh	2023	Nigeria	Ionosphere
Juha Vierinen	2023	Norway	Ionosphere
Marco Milla	2023	Peru	Ionosphere
John Bosco Habarulema	2023	S. Africa	Ionosphere
Alan Wood	2023	United Kingdom	Ionosphere
Solene Lejosne	2023	USA	Magnetosphere
Lauri Holappa	2023	Finland	Magnetosphere-Ionosphere Coupling
Ankush Bhaskar	2023	India	Magnetosphere-Ionosphere Coupling
Lisa Baddeley	2023	Norway	Magnetosphere-Ionosphere Coupling
Shasha Zou	2023	USA	Magnetosphere-Ionosphere Coupling
Adriana Valio	2023	Brazil	Solar Physics
Jie Jiang	2023	China	Solar Physics
Mateja Dumbović	2023	Croatia	Solar Physics
Johan Muhamad	2023	Indonesia	Solar Physics
Margit Haberreiter	2023	Switzerland	Solar Physics
Joan Burkepile	2023	USA	Solar Physics
Monica Laurenza	2023	Italy	Space Weather, Solar and Heliospheric Physics
Carine Briand	2023	France	Space Weather, Solar Physics
Maria Graciela Molina	2023	Argentina	Space Weather
Rositsa Miteva	2023	Bulgaria	Space Weather
Young-Sil Kwak	2023	Korea	Space Weather
Lynn Harvey	2023	USA	Space Weather
Irina Mironova	2023	Russia	Sun-Climate

Nat Gopalswamy made a comment on this SDR list. He noted that in the new 31 SDRs, 20 are related to the ionosphere, 4 are magnetosphere, and 7 are solar. This situation looks not balanced regarding the fields of solar-terrestrial physics. According to the constitution, SDRs will collectively serve as a source of scientific advice and proposals for new programs and projects, and as potential leaders and members of component bodies. He noted that under this unbalanced situation, funding agencies may have difficulty to support SCOSTEP. Kazuo Shiokawa noted that he also received similar comment by e-mail yesterday from National Adherent Representatives of Austria and Hungary that solar and interplanetary fields are underrepresented in the current SDR list. Kazuo noted to transfer these comments to the next Bureau meeting for the consideration by the Bureau, because the SDRs are selected by the Bureau.

4. Scientific Secretary Office Updates

A brief report on Scientific Secretary office updates were shown. They finalized the 2021/2022 Annual Reports, maintained all financial records, communicated with adherent member countries for annual payments, issued calls for Distinguished Service Award, the SVS program, Capacity Building, PRESTO events and database opportunities, managed the awards program, SDRs and Officers elections, K. Shiokawa and K. Groves are maintaining Secretariat functions, along with other members of the BC team providing IT, website, travel and administrative services (O'Conner, Murphy, Kraemer), Susan (Bonnie) Delay to support SVS travel arrangements and track incoming dues payments.

5. Report on the PRESTO Program

An update report on the PRESTO program were made.

- It is only 1.5 year left until the end of the PRESTO program (2020-2024). After retirement of Eugene Rozanov from a PRESTO co-chair, Odele Coddington (former Pillar 3 co-leader) was prompted to the co-chair position. Additional co-leader of Pillar 3 has not been fixed yet.
- ICTP-SCOSTEP-ISWI Workshop on the Predictability of the Solar-Terrestrial Coupling - PRESTO (PRESTO workshop and school, https://indico.ictp.it/event/10176) was held on Mah 30-June 2, 2023, at ICTP in Trieste, Italy, as the first face-to-face meeting of the whole PRESTO program. Eighty-three on-site participants were joined from 39 countries.
- In addition to this overall meeting, Pillar 1 has several sessions in IUGG2023, Pillar 2 has sessions in COSPAR 2022, 2024 and a ISSI team is on going, and Pillar 3 is summarizing a review paper on solar emission and climate and sessions on COPAR2022 and IUGG. CMIP7 solar forcing working group is on-going. PRESTO ends at the end of 2024. PRESTO officers consider having a final PRESTO meeting in fall 2024 and make special issue of publications related to the PRESTO outputs.
- The SCOSTEP/PRESTO online seminar is on-going. Latest one (16^{th}) was by Annika Seppala on April 19, 2023 (https://scostep.org/online-seminar-series/).
- SCOSTEP/PRESTO newsletter is distributed every three months with articles, highlight of young scientists, meeting reports, and short news (https://scostep.org/resources/scostep-presto-newsletter-archive/).
- SCOSTEP/PRESTO funding opportunities are continued, and 7 meetings and 2 database constructions are supported in 2023 (https://scostep.org/grant-proposals/).

6. Updates of ISC, UN_STSC, and UN_COPUOS activities

K. Shiokawa reported his attendance of the International Science Council (ISC) Members' Forum in Paris, 10-12 May 2023. SCOSTEP is one of the Affiliated Bodies (a thematic organization) of ISC. After the meeting, SCOSTEP submitted a 17-page response to the ISC survey for Affiliated Bodies based on SCOSTEP Annual Report 2022. Nat Gopalswamy was elected as the ISC fellow in 2023. SCOSTEP is a permanent observer of the United Nations (UN) Committee on the Peaceful Uses of Outer Space (COPUOS). SCOSTEP has made presentations at UNCOPUOS and its Scientific and Technical Subcommittee (STSC) every year. This year Nat Gopalswamy and Madhulika Guhathakurta have made presentations at UNCOPUOS STSC on February 9, 2023, as representatives of SCOSTEP.

7. The SCOSTEP Visiting Scholar (SVS) Program

The objectives, funding, eligibility, application and review process for the SVS program were presented. The list of host institutions was also displayed with a welcome for additional hosts. The SVS program is quite successful having contributed to the training of many PhD students since the program's inception in 2015. In 2022, 20 students were approved for the SVS program scholarship. In 2023, 15 students were approved for the program. The actual trip in 2023 has just started for some students. Their visit will mostly happen during the second half of this year.

8. Capacity Building Schools Supported by SCOSTEP 2022-2023

The school activities supported by SCOSTEP in 2022-2023 were reviewed. According to the SCOSTEP Capacity Building support guideline at https://scostep.org/capacity-building/, SCOSTEP support school activities with funding maximum $5000 per event. In 2022, four schools were supported, i.e.,

- Iberian Space Weather School on June 6-10, 2022, at University of Alcala, Spain
- The 2nd summer school on Space research, technology and application at National Astronomical Observatory (NAO) – Rozhen, Bulgaria on 3-10 July 2022
- 5th edition of the ISWI Maghreb Afrique de l'Ouest (IMAO) school at Houphouët Boigny University, Abidjan, Côte d'Ivoire on 17-28 October 2022
- The International Workshop on Machine Learning for Space Weather: Fundamentals, Tools and Future Prospects in Argentina on 7-11 November 2022

In 2023. four schools are being supported:

- 2nd Iberian Space Science Summer School at University of Alcala, Spain, on June 26-30, 2023
- The 2023 IMCP Space Weather School at National Space Science Center, Chinese Academy of Sciences, Beijing, China, on September 14-23, 2023
- The International Space Weather Initiative School at Grand Palace Hotel in the city of Lusaka, Zambia, on 26-20 September 2023
- COSPAR Capacity Building Workshop: Solar-Terrestrial Coupling Processes and Space Weather at University of Lagos, Nigeria, on 9–20 October 2023

For more information on applications for Capacity Building Schools, see the website: https://scostep.org/sssw/

9. Capacity Building Online Lectures

As in-person events for Capacity Building have been limited in the last couple of years, SCOSTEP Instituted a series of Online Capacity Building Lectures. Dr. Claudia Martinez of ISEE, Nagoya University, Japan, was appointed as the lecture coordinator to lead this lecture series. The lectures provide both basic background and an introduction to the latest scientific topics in Solar-terrestrial physics for students and young scientists. There have been 17 lectures to date. The last one was delivered on June 30, 2023, by Dr. Yoshizumi Miyoshi of ISEE, Nagoya University, Japan. The list of lectures and the links to the recorded presentation are available on the website: https://scostep.org/capacity-building-lectures/

10. SCOSTEP Comic Book updates

The SCOSTEP comic books are designed to introduce the public, particularly young people, to Solar-Terrestrial Physics. They were originated by Professor Yohsuke Kamide at the Solar-Terrestrial Environment Laboratory at Nagoya University, Japan, in collaboration with SCOSTEP's CAWSES scientific program. Since then, they have been translated into English and French with a subset of the comic books available in 8 other languages.

K. Shiokawa introduced that a new comic book (10th topic) on Space Weather has been made using the PBASE project budget in the Institute for Space-Earth Environmental Research (ISEE), Nagoya University, Japan. Printed version of this comic book was distributed during the

General Council meeting to the participants. ISEE will provide a bubble version of this comic-book digital file to SCOSTEP for translation to other languages. The printed version of the comic books was distributed in the UN COPUOS STSC meeting in February 2023.

11. SCOSTEP Awards 2022-2023 (K. Shiokawa)

Recognizing the societal importance of studies in the fields of solar-terrestrial physics and to credit scientists who contribute significantly to these studies and SCOSTEP activities, SCOSTEP make biennial awards for Distinguished Scientist, Distinguished Young Scientist and Distinguished Service. SCOSTEP was pleased to make the following awards in 2022 and 2023. During this General Council meeting, the SCOSTEP 2023 Distinguished Service Award was opened to be given to Dr. Marianna Shepherd of York University, Canada for her unique and meritorious service to SCOSTEP activities and interests at an international level, particularly for her work in the position of the Scientific Secretary of SCOSTEP. The award medal and certificate were given to Dr. Shepherd from the President. Then, Dr. Shepherd made a formal reply statement.

SCOSTEP 2022 Distinguished Scientist Award

2022 Distinguished Scientist Award is given to

Professor David J. McComas

Princeton University, Princeton, NJ, USA

David J. McComas

Citation: For original research, technical leadership and wide-ranging discoveries that have significantly advanced our knowledge and understanding of the global structure and evolution of the solar wind and revolutionized our understanding of its interactive stellar medium.

SCOSTEP 2022 Distinguished Young Scientist Award

2022 Distinguished Young Scientist Award is given to

Dr. Theodosios Chatzistergos

Max Planck Institute for Solar System Research, Göttingen, Germany

Theodosios Chatzistergos

Citation: For his tremendous and unprecedented work on exploiting the potential of historical solar observations for cardinal improvement reconstructions of past solar variability, a crucial input to climate models.

SCOSTEP 2023 Distinguished Service Award

2023 Distinguished Service Award is given to

Dr. Marianna Shepherd

York University, Canada

Marianna Shepherd

Citation: For unique and meritorious service to SCOSTEP activities and interests at an international level, particularly for her work in the position of the Scientific Secretary of SCOSTEP.

FINANCIAL MATTERS

2. Appointment of the Financial Committee Members

K. Shiokawa noted that Current Financial committee in 2019-2023 composed of Dan Marsh and Yoshizumi Miyoshi. He noted that appointment of the members of new Finance Committee in 2023-2027 will be made by the Council by e-mail after the new Bureau members are fixed.

NEW TOPICS & DISCUSSION

1. Application for the new SCOSTEP membership from Rwanda

SCOSTEP Bureau recommend application for the new SCOSTEP membership from Rwanda to the Council. Thus, the application was explained at this General Council meeting. University of Rwanda will act as the National Adherent institution. Scientists and students in Rwanda have been involved into various SCOSTEP activities such as participation in research conferences, schools, workshop and various trainings with particular focus on Space Weather research capacity building. The vote by the Council members is on-going during and after the General Council meeting for approval of the application.

2. Election of new SCOSTEP Executives, President and Vice-President

The vote for the electron of new SCOSTEP President and Vice-President were made at the end. The vote was done either by e-mail before the General Council meeting and during the meeting on site. Drs. Kalevi Mursula and John Bosco Habarulema joined the on-site ballot counting with the Scientific Secretary, Keith Groves. After the ballot counting, K. Groves declared that Kazuo Shiokawa will be the President and Bernd Funke will be the Vice President of SCOSTEP for the next 4 years (2023-2027). Kazuo Shiokawa made a brief statement to be the President for the next 4 years.

CLOSING ADDRESS

K. Shiokawa thanked everyone for attending the meeting and wished everyone well in the coming year.

Thanks to all who were able to attend. See you in 2 years.