



# EGU 2014

## Solar-Terrestrial Sciences Division Meeting

Norma B. Crosby



**GEOLOG**

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Webstreaming

Vienna, Austria, Tue. 29 April 2014, 12:15–13:15, Room Y1



# AGENDA

1. Awards and Medals 2014
2. Medal Committees
3. OSP 2013 Award Ceremony
4. ST Division Organisation and Officers
5. ST Education and Public Outreach Update
6. ANGIO Update
7. 2014 GA/ST Scientific Programme
8. EGU 2015 and the Future





# 1. Awards and Medals 2014





# 2014 Arne Richter Award for Outstanding Young Scientists

*Noé Lugaz*

The 2014 Arne Richter Award for Outstanding Young Scientists is awarded to Noé Lugaz for his innovative contributions to the understanding of coronal mass ejections.

**ST1.2/PS5.3 Multipoint observations and modeling of the heliospheric plasma processes and their effects on the planets**

**Thu, 1 May, 11:15–11:45 / Room Y2**

**“On the Propagation and Interaction of Coronal Mass Ejections”**



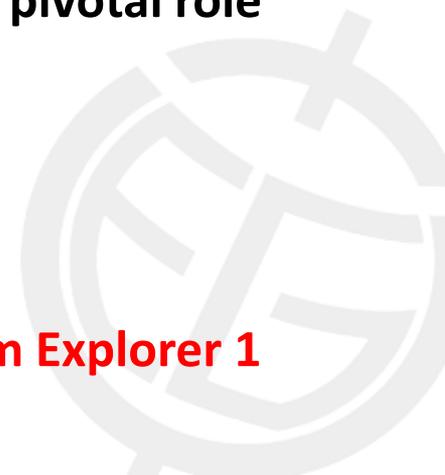
# 2014 Jean Dominique Cassini Medal

***Stamatios M. Krimigis***

The 2014 Jean Dominique Cassini Medal & Honorary Membership is awarded to Stamatios M. Krimigis for his key discoveries and his seminal contributions in solar, interplanetary, magnetospheric and planetary physics, his leadership in the design and implementation of new experiments and new space science missions and his pivotal role in space science policy.

**Thu, 1 May, 12:15–13:15 / Room R1**

**“The quest for discovery of planetary radiation belts: From Explorer 1 to MESSENGER”**





# 2014 Hannes Alfvén Medal

*Karl Schindler*

The 2014 Hannes Alfvén Medal is awarded to Karl Schindler for his illuminating contributions to the dynamics of the solar corona, the magnetosphere and astrophysical plasmas through elegant theoretical analyses of fundamental plasma phenomena such as equilibria, stability, current sheets and reconnection.

**ST1.1 Open Session on the Sun and Heliosphere**

**Thu, 1 May, 13:30–14:30 / Room Y1**

**“Issues of onset in space plasma activity”**





# 2014 Julius Bartels Medal

*Rumi Nakamura*

The 2014 Julius Bartels Medal is awarded to Rumi Nakamura for her outstanding contributions to the understanding of the complex plasma physical processes within the magnetosphere and the magnetotail of the Earth through all phases of the substorm cycle.

**ST2.1 Open Session on the Magnetosphere**

**Mon, 28 Apr, 13:30–14:30 / Room Y5**

**“Plasma jets in the near-Earth's magnetotail”**





## 2. Medal Committees





# Julius Bartels Medal Committee 2015

## **Julius Bartels (current committee):**

Karl-Heinz Glassmeier [CHAIR]

Eigil Friis-Christensen

Hannu Koskinen

Mark Lester

## **Proposed 2015 committee:**

Karl-Heinz Glassmeier [CHAIR]

Eigil Friis-Christensen

Hannu Koskinen [OUT]

Mark Lester

Rumi Nakamura [IN]





# Hannes Alfvén Medal Committee 2015

## **Hannes Alfvén (current committee):**

Sandra Chapman [CHAIR]

Margaret G. Kivelson

Mike Lockwood

Göran Marklund

## **Proposed 2015 committee:**

Sandra Chapman [CHAIR]

Margaret G. Kivelson [OUT]

Mike Lockwood

Göran Marklund

Loukas Vlahos [IN]





## Medals and Awards: the Future

- Please think of your colleagues and make suggestions for medalists.
- The community is urged to come with suggestions of strong candidates!





# EGU Office - Report of Activities - Programming of the on-line A&M nominations (currently in preparation – testing phase)



**European Geosciences Union**  
Dedicated to the pursuit of excellence in the geosciences and the planetary and space sciences for the benefit of humanity.

Philippe Courtial (courtial) | General Assembly 2014 | Divisions | Membership | Contact | Logout | Division Pages

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## Awards & Medals Nominations

### Submit a new Nomination

Intro missing

Links to [nomination guidelines](#) and [nomination checklist](#) should be included

Awards & Medals nominations are **currently open**.

Please use the [Awards & Medals nomination form](#) to propose a candidate for the year 2015 (submission deadline 15.06.2014). Please read the guidelines above carefully before submitting.

### Submission History

You have not yet submitted a nomination.

## Awards & Medals Nominations

Please, make sure that you read the [nomination guidelines](#) and the [nomination checklist](#) before you send your nomination.

Fill the following form and press "Send Application". Fields marked with \* are required.

All submissions are checked for conformity and you should receive an acknowledgement receipt within the next seven days. If you have any questions, please do not hesitate to [contact us](#).

### Nomination Details

**Award \***

**Name of the nominee \***

**Email of the nominee \***

**Nomination package \***  
 Either upload a single PDF file or a ZIP/TAR/TGZ archive containing multiple PDF documents  
 Keine Datei ausgewählt.

**Nominator(s)**

<input type="text"/>	<input type="text"/>

### Contact Details

**Your name \***

**Your email \***

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Links



Courtesy of Philippe Courtial



# 3. OSP 2013 Award Ceremony





# <http://www.egu.eu/young-scientists/>



## European Geosciences Union Young Scientists



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### Young Scientists

The EGU offers a platform for young scientists to become involved in interdisciplinary research in the Earth, planetary and space sciences, through sessions, social events and short courses at the annual General Assembly in April. The young scientists website brings together the opportunities the EGU offers for early career researchers – useful resources, job opportunities and information on how you can get involved in the Union.

#### What is a young scientist?

The EGU definition of a young scientist is a scientist who is 35 years old\* or younger, who can be an undergraduate or postgraduate (Masters/PhD) student or who has received his or her highest degree (e.g., BSc, MSc, PhD) within the past seven years\*.

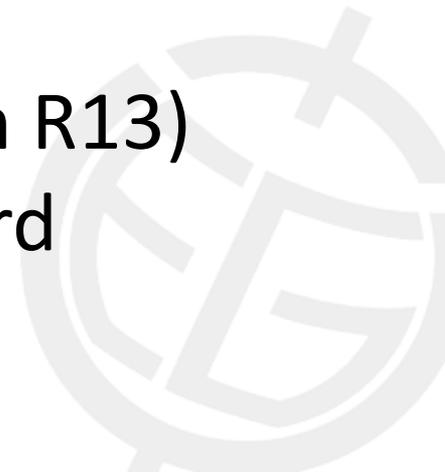
\* Where appropriate, up to one year of parental leave time may be added per child.





# Young Scientists Specials

- YS Meeting Corner at the Opening Reception
- YS Lounge, near Foyer C, Second Floor (red level)
- YS Cafeteria, Foyers B & C, Second Floor (red level)
- Meet EGU's YS Representative, Tue & Wed, 08:30-10:00 (EGU booth)
- EGU YS Forum, Tue, 12:15-13:15 (Room R13)
- Outstanding Student Poster (OSP) Award





# Outstanding Student Poster (OSP) Awards (formerly YSOPP)

In relation with its General Assemblies, the Union presents a number of special awards, such as the Outstanding Student Poster (OSP) Awards to further improve the overall quality of poster presentations and most importantly, to foster the excitement of younger colleagues in presenting their work in form of a poster.

OSP Coordinator: Andreas Guentner



# ST 2013 Outstanding Students Poster Award

*Beate Krøvel Humberset*

**“Untangling the space-time ambiguity of pulsating  
aurora”**

**abstract N° EGU2013-833 in session ST3.2**

**By Beate Krøvel Humberset, Jesper Gjerloev, Robert Michell, Marilla  
Samara, Marc Lessard, and Ian Mann**





# 4. ST Division Organisation and Officers





# European Geosciences Union

Division on  
**Solar-Terrestrial Sciences**



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## Links

## Division on Solar-Terrestrial Sciences (ST)

**President:** Norma B. Crosby, [st@egu.eu](mailto:st@egu.eu)

The ST Division considers all aspects of solar and heliospheric physics, specifically the solar-terrestrial connection. It covers the physical processes occurring on the Sun, in the solar wind, as well as in Earth's magnetosphere and ionosphere. Solar activity (e.g. coronal mass ejections, solar flares, solar energetic particle events) and the response of the near-Earth space environment to these solar phenomena are studied on a wide-range of temporal and spatial scales. Data analysis and interpretation of space-borne and ground-based data, as well as theoretical studies and different modeling techniques are used to better our understanding of how our local star defines the neighborhood that we live in.



## Current issue of GeoQ, the EGU newsletter

GeoQ is EGU's quarterly newsletter, a magazine and information service for its members. Each new edition of the publication is distributed for free to EGU members in the form of an [interactive PDF file](#).

The March 2014 issue of the quarterly newsletter of the European Geosciences Union is now [published online](#). Following from this year's idea of having a themed General Assembly, this issue of the EGU newsletter is dedicated to The Face of the Earth. A special contribution from the EGU President and the EGU Programme Committee Chair at the start of the issue informs readers about this theme and what will be different at this year's General Assembly.



<http://www.egu.eu/st/>



## ST Structure

<b>President</b>	Norma B. Crosby	<a href="mailto:st@equ.eu">st@equ.eu</a>
<b>Programme Group Chair</b>	Norma B. Crosby	<a href="mailto:st@equ.eu">st@equ.eu</a>
<b>Science Officers</b>	Volker Bothmer <i>Solar Physics</i>	<a href="mailto:bothmer@astro.physik.uni-goettingen.de">bothmer@astro.physik.uni-goettingen.de</a>
	Natalia Ganushkina <i>Magnetosphere</i>	<a href="mailto:natalia.ganushkina@fmi.fi">natalia.ganushkina@fmi.fi</a>
	Olga Malandraki <i>Heliosphere</i>	<a href="mailto:omaland@astro.noa.gr">omaland@astro.noa.gr</a>
	Jan Laštovička <i>Ionosphere</i>	<a href="mailto:ila@ufa.cas.cz">ila@ufa.cas.cz</a>
<b>Publications</b>	Manuela Temmer	<a href="mailto:manuela.temmer@uni-graz.at">manuela.temmer@uni-graz.at</a>
<b>Awards &amp; Medals</b>	Karl-Heinz Glassmeier	<a href="mailto:kh.glassmeier@tu-braunschweig.de">kh.glassmeier@tu-braunschweig.de</a>
	Sandra Chapman	<a href="mailto:s.c.chapman@warwick.ac.uk">s.c.chapman@warwick.ac.uk</a>
<b>News</b>	Athanasios Papaioannou	<a href="mailto:atpapaio@astro.noa.gr">atpapaio@astro.noa.gr</a>
<b>Media</b>	Athanasios Papaioannou	<a href="mailto:atpapaio@astro.noa.gr">atpapaio@astro.noa.gr</a>
<b>Education</b>	Athanasios Papaioannou	<a href="mailto:atpapaio@astro.noa.gr">atpapaio@astro.noa.gr</a>
<b>Scientific Affaires</b>	Athanasios Papaioannou	<a href="mailto:atpapaio@astro.noa.gr">atpapaio@astro.noa.gr</a>
<b>Foreign Affaires</b>	Athanasios Papaioannou	<a href="mailto:atpapaio@astro.noa.gr">atpapaio@astro.noa.gr</a>
<b>OSP Coordinator</b>	Claire Foullon	<a href="mailto:c.foullon@exeter.ac.uk">c.foullon@exeter.ac.uk</a>
<b>Webmaster</b>	Athanasios Papaioannou	<a href="mailto:atpapaio@astro.noa.gr">atpapaio@astro.noa.gr</a>



## EGU principles:

- **Division Presidents elected and can be re-elected only once.**
  - **ST President election this autumn**
- **Division Officers are appointed at the Division Meetings.**

### New By-Laws

§ 7.5 Each Division shall have at least one **Deputy President** and may have additional Division officers.

§ 7.7 Each Division shall hold a Division meeting during the course of the General Assembly of the Union. **The Division meeting appoints** the Deputy President(s) and the other Division officers.



## ST Scientific Officers

- **Heliosphere:**  
**Olga Malandraki (2014, confirmed for 2015)**
- **Solar Physics:**  
**Volker Bothmer (2014, confirmed for 2015)**
- **Magnetosphere:**  
**Natalia Ganushkina (2014, confirmed for 2015)**
- **Ionosphere:**  
**Jan Laštovička (2014, confirmed for 2015)**





# ST Liaison Officers 2015

- **Publications:**  
**Manuela Temmer (2014, confirmed for 2015)**
- **OSP Coordinator:**  
**Claire Foullon (2014, confirmed for 2015)**
- **Young Scientist Representative**





## ST Liaison Officers 2015 cont.

- **News, Media, Education, Science Affaires, Foreign Affaires, Webmaster**  
**Athanasios Papaioannou (2014)**
- **Education => Education and Public Outreach**  
**News, Media, Webmaster**  
**Athanasios Papaioannou (confirmed for 2015)**
- **Scientific Affairs (=> Norma Crosby, confirmed for 2015)**
- **Foreign Affairs (=> Norma Crosby, confirmed for 2015)**
- **Division (=> Norma Crosby, confirmed for 2015)**



# 5. ST Education and Public Outreach Update

by Athanasios Papaioannou

<http://www.egu.eu/st/education-public-outreach/>



# 6. ANGEO Update

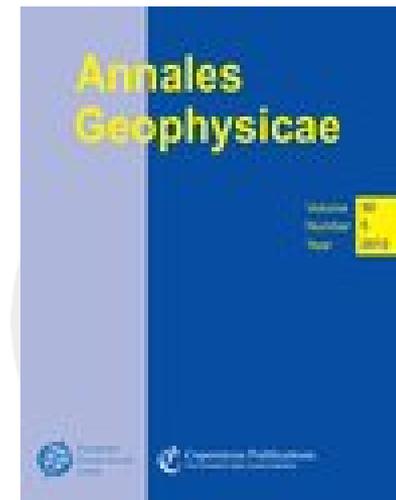
by Mike Pinnock

## Editors-in-Chief

- Mike Pinnock, Christoph Jacobi, Ioannis A. Daglis

## Topical Editors

- Solar corona and heliospheric physics (2)
- Magnetospheric and space plasma physics (5)
- Ionosphere and aeronomy (3)
- Middle and upper atmosphere (1)
- Lower atmosphere and climate (2)





# 7. 2014 GA/ST Scientific Programme





## EGU General Assembly 2014 Facts

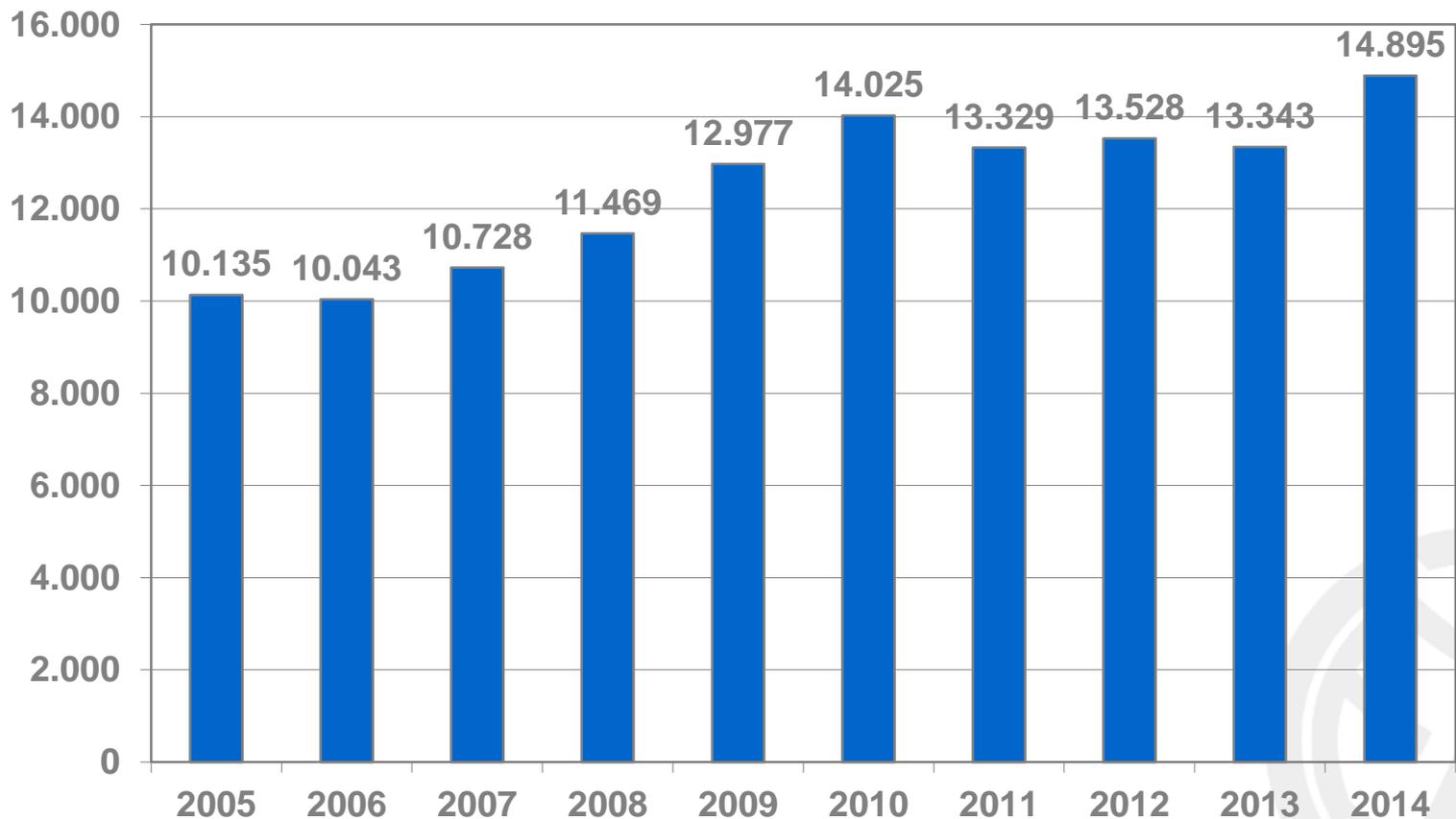
As of 26 April, the Assembly 2014 provides:

- 14,895 Papers in Programme | +11.6% (2013)
- 4,829 Orals | 9,583 Posters | 483 PICOs | Ratio 32 / 64 / 3
- 568 unique scientific Sessions | 126 PSD Sessions | 245 Side Events\*
- 10,261 Registrations in Advance (10,176 already paid) | +3.9% (2013)

\*Side Events include: GDB, EG, EOS, ML, KL, TM, SC, SPM, DM, EBM, UM



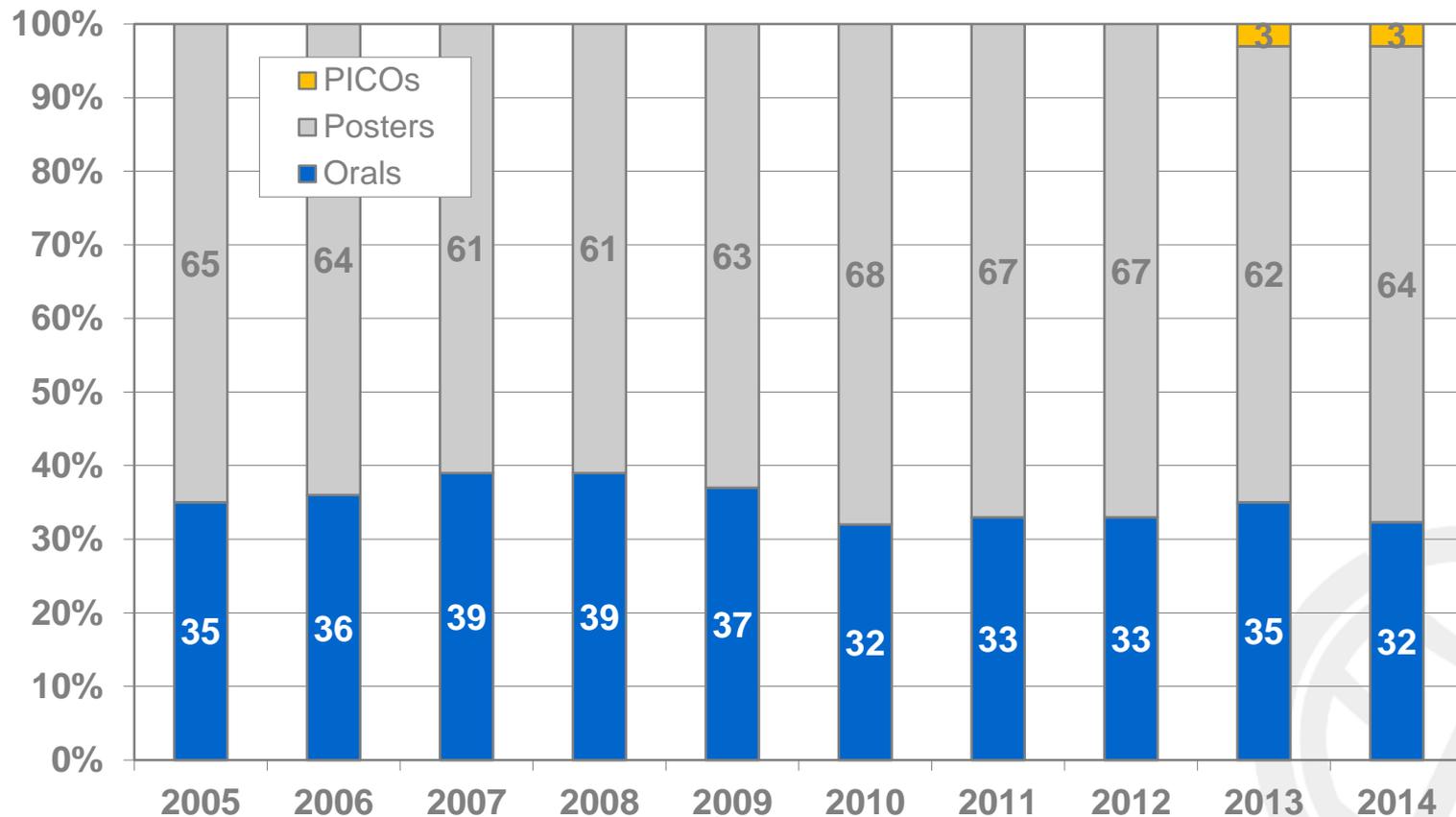
## Papers in Programme 2005–2014



Courtesy of Gert-Jan Reichart



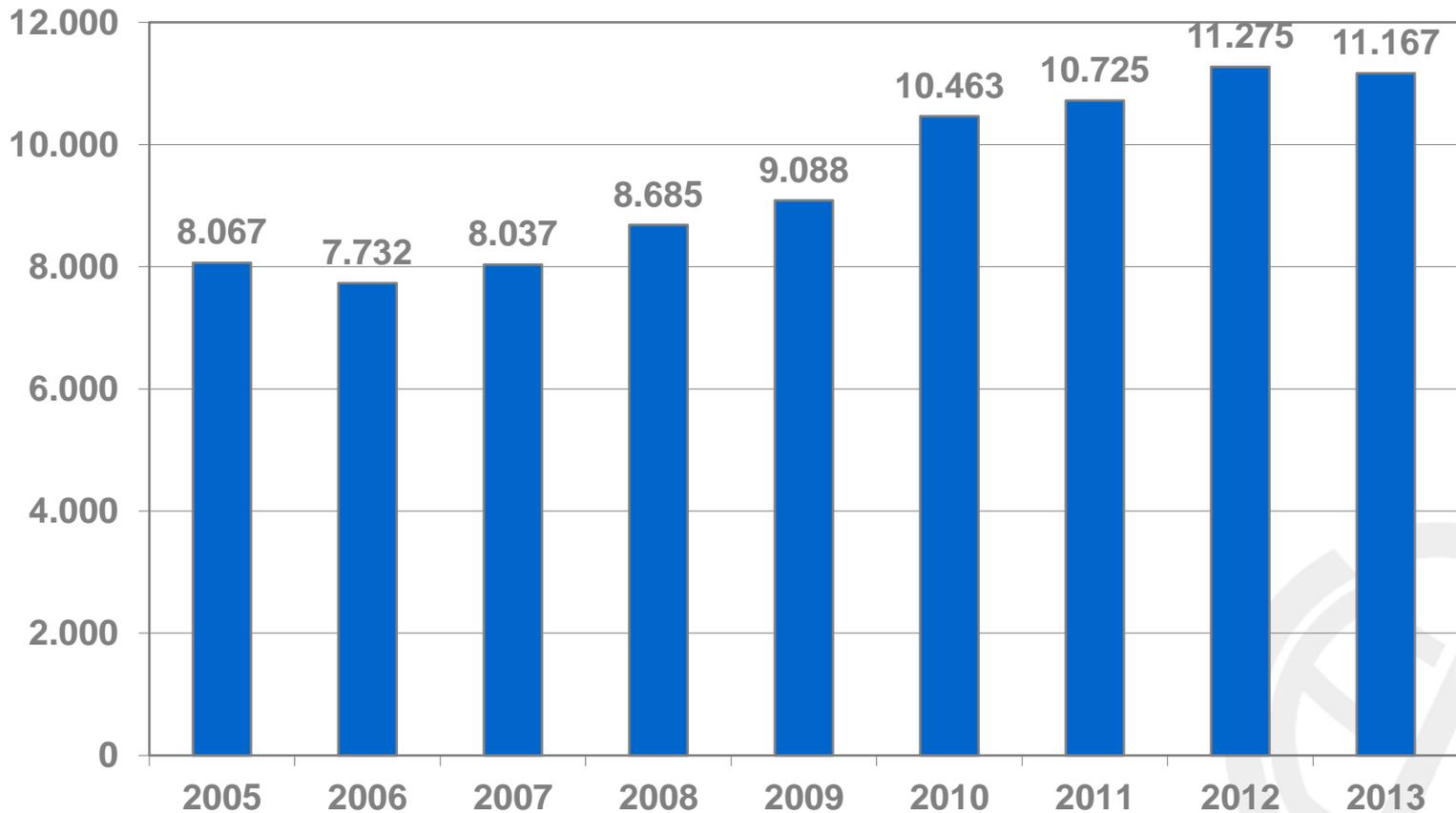
## Presentation Ratio 2005–2014



Courtesy of Gert-Jan Reichart



## Participants at EGU Assemblies 2005–2013



Courtesy of Gert-Jan Reichart



## EGU 2014 ST Ranked Support Applications

- 9 YSTAs “Young Scientist’s Travel Awards” were granted [20 applicants]
- 1 ESTA “Established Scientist’s Travel Award” was granted [3 applicants]





# EGU ST 2014 Statistics

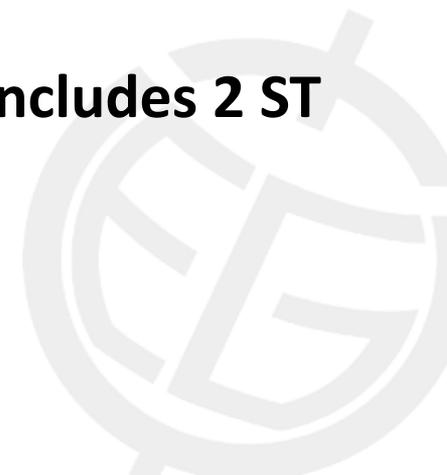
**Oral: 169 abstracts (33%) [2013: 168 abstracts]**

**Posters: 338 abstracts (67%) [2013: 320 abstracts]**

**PICO ratio: 0 abstracts [2013: 6 abstracts]**

**15 ST led sessions spread over 24 oral blocks (this includes 2 ST Division Medal oral blocks)**

**4 PSDs (Poster Summaries & Discussions)**





# EGU ST 2014 Scheduling

## **Maximum number of ST oral blocks determined by:**

- EGU boundary conditions on room availability.
- Oral sessions only in the first four daily slots [other papers are given as posters].

## **ST oral blocks are allocated taking the following into consideration:**

- Time Requests (Requests to AVOID scheduling on the following days).
- Inter-Session Relations (No-Overlap Request).
- Number of Oral and Poster abstracts.

**Many thanks to all science secretaries and session conveners !**



## 8. EGU 2015 and the Future

EGU 2015 Meeting

12–17 April 2015

Vienna, Austria





## General Assembly Feedback 2014:

- [www.egu2014.eu/feedback](http://www.egu2014.eu/feedback)
- (Survey live during the General Assembly and until middle of June)

## Call for 2015 ST Session Proposals:

- Open Sessions [Sun and Heliosphere, Magnetosphere, Ionosphere]
- The web interface for proposing special ST sessions should open during the summer.





# Presenting Interactive Content –



PICO is short, precise, scientific. And PICO is the best of both worlds. PICO is bringing the advantages of both, oral and poster, together into an innovative type of presentation which opens the opportunity to be interactive. Every PICO author presents first his/her work orally. But afterwards, all session attendees have enough time to watch the presentation again, to hold discussions with the author and colleagues, and to network.

<http://www.egu2014.eu/pico.html>



## EGU 2014 - News, Media, Education & Public Outreach

**ST Liaison Officer for 2014: Athanasios Papaioannou**

- Since last year @ EGU GA

**Role of the LO:**

- Administrate parts of the EGU ST Website
- Add new material
- ...





## European Geosciences Union

Division on  
Solar-Terrestrial Sciences

A. Papaioannou (148439)

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### Links



### ST Meetings Calendar

The following is a list of meetings, workshops, and conferences that may be relevant to the Solar-Terrestrial Sciences division. You may export individual events by clicking the iCalendar icon .

If you are interested adding a workshop, meeting, or conference to this list please use the [Meeting Submission Form](#).

#### 2014

- [EGU General Assembly 2014](#)  
Vienna, Austria  
 27 April – 02 May 2014
- [2014 Geomorphic Change Detection \(GCD\) Workshop](#)   
Logan, Utah, USA  
 29 April – 01 May 2014
- [AOGS 11th Annual Meeting](#)   
Sapporo, Japan  
 28 July – 01 August 2014
- [COSPAR General Assembly 2014 - COSMOS](#)   
Moscow, Russia  
 02–10 August 2014
- [3rd Young Earth Scientists \(YES\) Congress](#)   
Dar es Salaam, Tanzania  
 11–14 August 2014  
Deadline: Abstracts 20 May 2014
- [14th European Solar Physics Meeting](#)   
Dublin, Ireland  
 08–12 September 2014
- [Geospace revisited: a Cluster /MAARBLE /Van Allen Probes Conference](#)   
Island of Rhodes, Greece  
 15–20 September 2014  
Deadline: Abstracts 15 June 2014
- [SCOSTEP's 13th Quadrennial Symposium on Solar-Terrestrial Physics](#)   
Xi'an, Shanxi, China  
 12–17 October 2014
- [2014 AGU Fall Meeting](#)   
San Francisco, United States





## New Option: Education & Public Outreach



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#### Education & Public Outreach

The Solar-Terrestrial (ST) Sciences section embraces all regions of the Earth's atmosphere, ionosphere and magnetosphere that are under the influence of the physical conditions in the Sun (its interior and atmosphere), the solar wind (SW) and the galactic cosmic rays (GCRs), covering all aspects of solar and heliospheric physics from solar eruptive events such as solar flares and coronal mass ejections (CMEs) to the manifestations recorded *in situ* by an armada of spacecraft in the near-Earth environment and detectors on the ground (i.e. solar energetic particles – SEPs; Interplanetary CMEs – ICMEs), as well as the physical processes that couples the Sun's activity to the Earth's environment responses.

Space storms are part of this quest for the unfolding, understanding and eventually predicting of the physical and phenomenological state of our natural space environment. To this end, scientists have been observing, monitoring, analyzing and modeling in both large and small scales the building blocks of these storms, in an attempt to identify the possible impacts on biological and technological systems. This research field has commonly termed as Space Weather and has received a lot of attention in recent years, since it is a vital part our technology dependant everyday life.

In order to develop and sustain interest in ST Sciences and with the aim to ensure nurturing of the public, investment must be made in education and public awareness activities. Therefore, in the subpages of this section several efforts (e.g. Websites, Books, Videos) are being presented and categorized based on the audience (e.g. general public, University students, Scientists) to which these are applicable. Evidently, these lists are far from complete but it is a first-step. Please do contact us in order to add more information and links to this effort.

**EPO Websites**

Audience	Short Description	Link
General Public	ESA Education	<a href="http://www.esa.int/Education">http://www.esa.int/Education</a>
University Students	NASA Education	<a href="http://www.nasa.gov/audience/forstudents/">http://www.nasa.gov/audience/forstudents/</a>
Scientists	ZOONVERSE	<a href="https://www.zooniverse.org/">https://www.zooniverse.org/</a>

Public outreach material available in 12 languages. <http://www.emdb.eu/?mode=122>

EPO Websites

**EPO Books**

Audience	Short Description	Link
General Public	Booklets on many topics in space science, including comic books written by the popular cartoonist Havanon, featuring humorous characters and explaining scientific themes in a friendly way.	<a href="http://www.stelab.nasa.gov/usc/0303c/xxx140ccc/outreach.html">http://www.stelab.nasa.gov/usc/0303c/xxx140ccc/outreach.html</a>

EPO Books

**EPO Videos**

Audience	Short Description	Link
General Public	NASA HelioPhysics	<a href="https://www.youtube.com/watch?v=em683h1oEQ0">https://www.youtube.com/watch?v=em683h1oEQ0</a>
Students		
Scientists		

EPO Video



Create a *BLOG* for ST

Include an option on *Scientific Guidance*



Use a dynamic tool to present opinions, new achievements, ...



Could be used as an informative guide for prospective ST students



A group of people should work on this with the hope that in time it will pick up more volunteers



It is going to be subjective



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18 APR

## What's on for young scientists at the Assembly?

This year, there's a great line-up of young scientist sessions at the General Assembly. Not only that, but there are opportunities to meet those that represent you in the Union, get to know other young scientists in your field, and make the most of both the scientific and social sides of the conference...

First up for young scientists is the icebreaker event on the Sunday before the meeting, while this is open to everyone attending the Assembly, there'll be a spot especially for young scientists - the "Young Scientists Meeting Corner" (Rooms Y1/Y2). So, if you're coming alone, or if it's your first time, you're sure to find a few like-minded fellows! At EGU 2014 we'll also be introducing a young scientists' lounge - somewhere that you can take a break, grab a coffee and gather your thoughts away from the buzz of the conference. The lounge (on the Red Level of the conference centre) is also a great place to catch up with



### About

The European Geosciences Union (EGU) is Europe's premier geosciences union, dedicated to the pursuit of excellence in the Earth, planetary, and space sciences for the benefit of humanity, worldwide. GeoLog is the Union's official blog, and we host geosciences blogs at <http://blogs.egu.eu/>. You can also find us on:



## European Geosciences Union

Division on Solar-Terrestrial Sciences

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### Education & Public Outreach

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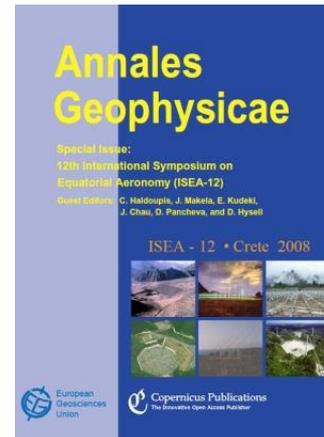


# Annales Geophysicae

## An Open Access Journal of the European Geosciences Union

### *Journal news*

- Continued expansion of number of Topical Editors – now 13 (was 7 in 2012).
- Now operating with 3 Co-Editors-in-Chief:
  - Mike Pinnock (UK)
  - Ioannis Daglis (Greece)
  - Christoph Jacobi (Germany)
- Both measures designed to reduce workload on individual editors and reduce time from submission to publication. Latter has reduced by 19% during 2013.
- Currently seeking to appoint two new Topical Editors to Middle and Upper Atmosphere – please contact one of the Co-Editors-in-Chief if interested.
- Special Issues: keen to host these (17% of 2013 papers were SI papers), contact a relevant Topical Editor.





# Annales Geophysicae

## An Open Access Journal of the European Geosciences Union

*Initiative by Solar Physics, Manuela Temmer Topical Editor,*

- ANGIO is an 'Open Access Journal' (this lately became a very important point for funding agencies!).
- Possibility of special issues for having publications on a defined subject. This can be a plus for your conference.

Latest special issue, still open for submission

- "Second UK-Ukraine meeting on Solar Physics and Space Science"

The understanding and prediction of physical processes in the Earth space environment has become the main focus by solar and magnetospheric scientists. The Second UK-Ukraine meeting on Solar Physics and Space Science held in Kiev, Ukraine on 16-20 September 2013 was devoted to these problems. The meeting was very successful and gathered more than 50 participants from 10 countries. A broad range of aspects of solar physics, space science and solar-terrestrial relations was covered. The purpose of 'Observation, analysis and modelling of solar and heliospheric processes' special issue is to present the novel results reported during the meeting. We kindly invite the participants and other researchers to submit their results to this special issue of Annales Geophysicae. The deadline for submission is 15 Jun 2014.

- Flyers and posters should/will be prepared to be displayed on meetings and conferences

