

## ***REPORT ON THE RADIONET3 NETWORKING ACTIVITY***

**TITLE: 14<sup>TH</sup> EUROPEAN SOLAR PHYSICS MEETING (CONFERENCE)**

**DATE:** *8-12 SEPTEMBER 2014*      **TIME:** (WHOLE DAY)

**LOCATION:** *DUBLIN, IRELAND*

**MEETING WEBPAGE** [HTTP://WWW.ESPM14.IE](http://www.espm14.ie)

**HOST INSTITUTE:** *TRINITY COLLEGE DUBLIN*

**PARTICIPANTS NO:** *236*

**MAIN LEADER:** *U. TURKU*

## REPORT:

### 1. Programme of the meeting

See Appendix 1 for the full conference programme, including names of oral contributors, titles of their presentations and download links to electronic copies of these presentations (where available).

### 2. Scientific Summary

The 14th European Solar Physics Meeting (ESPM-14) was held in Trinity College Dublin, Ireland from 8 to 12 September 2014. The ESPM conference series is organized every 3 years by the European Solar Physics Division (ESPD) and aims to highlight all aspects of modern solar physics research, including activities in observation and theory that span from the interior of the Sun out into the wider heliosphere.

ESPM-14 played host to 236 scientists (approximately 1/4 of which were registered PhD students) who presented more than 180 posters, 68 contributed talks and 23 invited reviews. Many new and significant results were presented, along with the status of future ground- and space-based solar and heliospheric observing facilities. Solar radio astronomy was showcased in Session 7 – Radio Emission and Particle Acceleration, which comprised of 2 invited reviews (1 theoretical and 1 observational), 8 contributed talks (2 from RadioNet3 supported attendees) and 10 posters presented in the related 2-day poster session.

The internationally inclusive nature of ESPM-14 was clearly demonstrated by participation of colleagues from countries outside Europe, including Australia, Brazil, India, Japan, Mexico, Republic of South Korea and the United States of America. In terms of gender representation, approximately 30% of the ESPM-14 confirmed attendees were female.

### 3. Attendance list confirmed by the organizer

See Appendix 2 for the full organizer-confirmed list of attendees, their affiliations and affiliation countries.

### 4. Financial Report / RadioNet3 contribution

Thanks to RadioNet3, ESPM-14 provided financial support to cover the full accommodation costs of 2 registered PhD students (Mr Alexander Morgachev and Mr Sergei Kuznetsov) and 2 junior postdoctoral researchers (Dr Kamen Kozarev and Dr Hamish Reid). Details of the 4 supported attendees are included in the table below. It is worth highlighting that 3 of the supported attendees gave oral presentations, 2 of which comprised 1/4 of the Contributed Talks in Session 7 – Radio Emission and Particle Acceleration. All 3 were of very high standard, each helping to make ESPM-14 the great scientific success that it was.

Name	Affiliation	Affiliation Country	Funding Received	Contribution
Kozarev, Kamen	Smithsonian Astrophysical Observatory	United States of America	€296 (4 nights B&B in single room @ €74 per night)	Talk in Session 7 – Radio Emission and Particle Acceleration
Kuznetsov, Sergei	Radiophysical Research Institute	Russia	€180 (3 nights B&B in twin room @ €60 per person per night)	Talk in Session 7 – Radio Emission and Particle Acceleration
Morgachev, Alexander	Pulkovo Observatory of Russian Academy of Sciences	Russia	€180 (3 nights B&B in twin room @ €60 per person per night)	Poster in Session 7 – Radio Emission and Particle Acceleration
Reid, Hamish	University of Glasgow	United Kingdom	€370 (5 nights B&B in single room @ €74 per night)	Talk in Session 8 – The Solar Wind and Space Weather Research
<b>Total</b>			<b>€1026</b>	

It is noticeable that all 4 supported attendees are male. Originally ESPM-14 financial support covered by RadioNet3 was offered to 10 prospective attendees with a gender breakdown (4 female and 6 male) in line with the applications submitted to all of the ESPM-14 financial support schemes (45% female to 55% male), which was also more balanced than the final confirmed attendee list of 30% female to 70% male. Unfortunately, combinations of inadequate host-institution and/or national travel funds and delayed visa applications prevented all 4 females from being able to accept the partial financial support being offered.

## 5. Conference Proceedings and Web page

The ESPM-14 conference will not directly publish a set of proceedings in and of itself, but [Advances in Space Research](#) have agreed to produce a Special Issue of the journal entitled "Recent Advances in Solar Physics" with a submission deadline of 31 December 2014. This Special Issue welcomes original and high-quality relevant manuscripts from all scientists in the solar physics community, especially from the ESPM-14 participants. All manuscripts will be subject to a standard peer-review (including at least 2 independent reviewers) and will be typeset at no cost to the author. The ESPD is the convening body for the 3-yearly ESPM conference series, so the outgoing ESPD President (Prof Valery Nakariakov) and the incoming ESPD President (Dr Manolis Georgoulis) are the Guest Editors for this Special Issue.

The conference webpage (<http://www.espm14.ie>) has a valid domain registration until 28 March 2023. A large number of the electronic presentations (in PDF and PowerPoint formats) were gathered from the oral contributors and will continue to be available for download from the Scientific Programme webpage (<http://www.espm14.ie/programme>). Links to these electronic copies are also embedded in the meeting programme attached here as Appendix 1.

## Appendix 1

### Monday 8th September

08:00 - 09:00 *Registration Open*

09:00 - 09:10 *Welcome Address*

#### Session 1 - New and Upcoming Heliospheric Observational and Data Assimilation Facilities

- 09:10 - 09:30 **Haberreiter** *Invited Review: Assimilation of solar spectral irradiance data within the FP7 SOLID project ([Download](#))*
- 09:30 - 09:50 **Barta** *Invited Review: Solar radioastronomy in the age of ALMA ([Download](#))*
- 09:50 - 10:10 **Yan** *Invited Review: Chinese Spectral RadioHeliograph for solar physics studies ([Download](#))*
- 10:10 - 10:30 **Decker** *Invited Review: Solar Probe Plus: A NASA mission to touch the Sun ([Download](#))*
- 10:30 - 11:00 *Coffee Break & Poster Rotation 1*
- 11:00 - 11:20 **Ichimoto** *Invited Review: The Solar-C mission ([Download](#))*
- 11:20 - 11:40 **Zimovets** *Invited Review: Current state of the Interhelioprobe mission ([Download](#))*
- 11:40 - 12:00 **von der Lühe** *Invited Review: The GREGOR solar telescope ([Download](#))*
- 12:00 - 12:20 **Zuccarello** *Invited Review: The EST and SOLARNET projects ([Download](#))*
- 12:20 - 12:40 **Mueller** *Invited Review: Solar Orbiter – Exploring the Sun-Heliosphere connection ([Download](#))*
- 12:40 - 14:00 *Lunch*

#### Session 2 - The Sun as a Whole: Large-Scale Flows, Magnetism, Magnetoconvection & the Solar Cycle

- 14:00 - 14:25 **Thompson** *Invited Review: The Sun as a whole: Rotation, meridional flow and convection ([Download](#))*
- 14:25 - 14:40 **Cameron** *The solar dynamo: observational inferences ([Download](#))*
- 14:40 - 14:55 **Karak** *Magnetohydrodynamic simulations of stellar differential rotation and meridional circulation ([Download](#))*
- 14:55 - 15:10 **Getling** *Mesoscale convective dynamo and sunspot formation ([Download](#))*

15:10 - 15:25	<b>Clette</b>	<i>A full revision of the Sunspot Number and Group Number records (<a href="#">Download</a>)</i>
15:25 - 15:50		<i>Coffee Break &amp; Poster Rotation 1</i>
15:50 - 16:15	<b>Birch</b>	<i><u>Invited Review</u>: The Sun as whole: Activity as seen by helioseismology (<a href="#">Download</a>)</i>
16:15 - 16:30	<b>Svanda</b>	<i>Shallow subsurface moat flow system around unipolar sunspots (<a href="#">Download</a>)</i>
16:30 - 16:45	<b>Banerjee</b>	<i>Polar Network Index as a magnetic proxy for the solar cycle studies (<a href="#">Download</a>)</i>
16:45 - 17:00	<b>Berrilli</b>	<i>Multiscale magnetic pattern in the quiet photosphere (<a href="#">Download</a>)</i>
17:00 - 17:15	<b>Seaton</b>	<i>Solar cycle 24 and the large-Scale evolution of the EUV corona (<a href="#">Download</a>)</i>

### **Session 3 - Emergence and Evolution of Magnetic Flux in the Solar Atmosphere**

17:15 - 17:40	<b>Bellot Rubio</b>	<i><u>Invited Review</u>: Granular-scale magnetic flux emergence in the quiet Sun (<a href="#">Download</a>)</i>
17:40 - 17:55	<b>Rivero Losada</b>	<i>Shallow concentration of magnetic flux</i>
18:30 - 22:00		<i>Welcome Reception</i>

### **Tuesday 9th September**

08:50 - 09:15	<b>Moreno-Insertis</b>	<i><u>Invited Review</u>: Magnetic flux emergence through photosphere, chromosphere and corona (<a href="#">Download</a>)</i>
09:15 - 09:30	<b>Chen</b>	<i>Magnetic field lines and coronal loops - a difficult relation (<a href="#">Download</a>)</i>
09:30 - 09:45	<b>Dudík</b>	<i>Area expansion of magnetic flux-tubes in active regions (<a href="#">Download</a>)</i>
09:45 - 10:00	<b>Guglielmino</b>	<i>Penumbra-like structures in the photosphere as a manifestation of flux emergence (<a href="#">Download</a>)</i>
10:00 - 10:15	<b>Padinhatteeri</b>	<i>Formation and evolution of flaring delta spots</i>
10:15 - 10:30	<b>Tziotziou</b>	<i>Free magnetic energy and relative helicity in quiet sun regions and their role in solar dynamics (<a href="#">Download</a>)</i>
10:30 - 11:00		<i>Coffee Break &amp; Poster Rotation 1</i>
11:00 - 11:15	<b>Jafarzadeh</b>	<i>Magnetic blue-shifted excursions in the quiet-sun photosphere</i>
11:15 - 11:30	<b>Shelyag</b>	<i>Centre-to-limb spectropolarimetry of simulated solar photosphere:</i>

*Signatures of photospheric Alfvén waves*

## Session 4 - Chromospheric Dynamics

11:30 - 11:55	<b>Steiner</b>	<i>Invited Review: Chromospheric dynamics (<a href="#">Download</a>)</i>
11:55 - 12:10	<b>Levens</b>	<i>Solar tornadoes in prominences: Plasma diagnostics and evidence for rotation (<a href="#">Download</a>)</i>
12:10 - 12:25	<b>Löhner-Böttcher</b>	<i>Wave phenomena in sunspots (<a href="#">Download</a>)</i>
12:25 - 12:40	<b>Peter</b>	<i>Hot explosions in the cool solar atmosphere (<a href="#">Download</a>)</i>
12:40 - 14:00	<i>Lunch</i>	
14:00 - 14:25	<b>De Pontieu</b>	<i>Invited Review: Dynamics and energetics of the chromosphere and transition region (<a href="#">Download</a>)</i>
14:25 - 14:40	<b>Leenaarts</b>	<i>Radiation-MHD simulations of chromospheric wave dynamics (<a href="#">Download</a>)</i>
14:40 - 14:55	<b>De Moortel</b>	<i>Joint SDO/AIA and IRIS observations of propagating coronal disturbances (<a href="#">Download</a>)</i>
14:55 - 15:10	<b>Rutten</b>	<i>Halpα formation is simple after all! (<a href="#">Download</a>)</i>
15:10 - 15:25	<b>Lin</b>	<i>The formation of the O I 135.56 nm and C I 135.58 nm lines and their potential diagnostics (<a href="#">Download</a>)</i>
15:25 - 15:50	<i>Coffee Break &amp; Poster Rotation 1</i>	

## Session 5 - Heating and Transient Activity of the Solar Corona: Waves, Flows, Reconnection and Jets

15:50 - 16:15	<b>Hood</b>	<i>Invited Review: Theoretical models of coronal activity and heating (<a href="#">Download</a>)</i>
16:15 - 16:30	<b>Antolin</b>	<i>Spectral signatures of braided strand-like structure from transverse MHD waves in coronal flux tubes and prominences</i>
16:30 - 16:45	<b>Muglach</b>	<i>Photospheric signatures of coronal hole jets (<a href="#">Download</a>)</i>
16:45 - 17:00	<b>Arregui</b>	<i>Model comparison for solar atmospheric waves (<a href="#">Download</a>)</i>
17:00 - 17:15	<b>Soler</b>	<i>Coronal loop seismology using damped kink oscillations: how accurate are the approximate seismology schemes? (<a href="#">Download</a>)</i>
17:15 - 17:30	<b>Verth</b>	<i>The generation and damping of propagating MHD kink waves in the solar atmosphere</i>
17:30 - 17:45	<b>Syntelis</b>	<i>Dynamics of non-twisted flux tube emergence (<a href="#">Download</a>)</i>
17:45 - 18:00	<b>Froment</b>	<i>Observations and possible interpretations of very long period</i>

*intensity pulsations in solar coronal loops* ([Download](#))

18:00 - 20:00 *ESPD Business Meeting*

## Wednesday 10th September

08:50 - 09:15 **Innes** *Invited Review: Observation of the corona heating* ([Download](#))

09:15 - 09:30 **Testa** *Diagnostics of coronal heating and mechanisms of energy transport from IRIS and AIA observations of active region moss*

09:30 - 09:45 **Xia** *Simulating the in-situ condensation process of solar prominences*

09:45 - 10:00 **Zacharias** *Tracing flows in the solar atmosphere using the Bifrost stellar atmosphere code*

10:00 - 10:15 **Barczynski** *Miniature coronal loop - a new class of loops?* ([Download](#))

10:15 - 10:30 **O'Flannagain** *Evidence for particle acceleration in a collapsing coronal null point* ([Download](#))

10:30 - 11:00 *Coffee Break & Poster Rotation 2*

11:00 - 11:15 **Bourdin** *Asymmetric heating as driver of siphon flows in a 3D MHD model to explain coronal blue shifts* ([Download](#))

11:15 - 11:30 **O'Hara** *Elementary heating events due to rotational footpoint motions* ([Download](#))

## Session 6 - Solar Eruptive Events: Instabilities, Flares and Coronal Mass Ejections

11:30 - 11:15 **Pariat** *Invited Review: How numerical simulations allows us to interpret the dynamics of UV and X-ray emissions during a solar flare* ([Download](#))

11:55 - 12:10 **Inoue** *Magnetohydrodynamic simulation of the X2.2 solar flare on February 15 2011*

12:10 - 12:25 **Pesce-Rollins** *Fermi Large Area Telescope observations of high-energy gamma-ray emission from solar flares* ([Download](#))

12:25 - 18:00 *Lunch & Excursions*

19:00 - late *Conference Banquet*

## Thursday 11th September

09:00 - 09:15 **Title** *Evidence for non-random clustering of solar flares* ([Download](#))

09:15 - 09:30 **Archontis** *Clusters of small eruptive flares produced by magnetic reconnection in the Sun* ([Download](#))

09:30 - 09:45	<b>Hannah</b>	<i>The HXR and EUV energetics of microflares (<a href="#">Download</a>)</i>
09:45 - 10:00	<b>Thalmann</b>	<i>Braiding and twist in a coronal active region magnetic field (<a href="#">Download</a>)</i>
10:00 - 10:15	<b>Scullion</b>	<i>Flare-driven coronal rain formation with ground (SST/CRISP) and synoptic space observatories (SDO)</i>
10:15 - 10:30	<b>Zuccarello</b>	<i>On the initiation mechanism of the 2011 August 4 filament eruption (<a href="#">Download</a>)</i>
10:30 - 11:00	<i>Coffee Break &amp; Poster Rotation 2</i>	
11:00 - 11:25	<b>van Driel-Gesztelyi</b>	<i>Invited Review: Coronal mass ejections: Build-up, evolution and effects (<a href="#">Download</a>)</i>
11:25 - 11:40	<b>D'Huys</b>	<i>Observational characteristics of CMEs without low coronal signatures (<a href="#">Download</a>)</i>
11:40 - 11:55	<b>Savcheva</b>	<i>Data-constrained simulations of CME initiation and propagation (<a href="#">Download</a>)</i>
11:55 - 12:10	<b>Feng</b>	<i>On the mass evolution of CMEs (<a href="#">Download</a>)</i>
12:10 - 12:25	<b>Pomoell</b>	<i>Event-oriented MHD simulations of global coronal shocks (<a href="#">Download</a>)</i>
12:25 - 12:40	<b>Susino</b>	<i>Analysis of a CME-driven shock wave with white-light coronagraphic and radio data (<a href="#">Download</a>)</i>
12:40 - 14:00	<i>Lunch</i>	
14:00 - 14:15	<b>Carlyle</b>	<i>Probing the density and magnetic fields of erupted solar filament plasma</i>
14:15 - 14:30	<b>Cheng</b>	<i>Formation of a double-decker magnetic flux rope in the sigmoidal solar active region 11520</i>
14:30 - 14:45	<b>Al-Haddad</b>	<i>Reconstructed magnetic structures of CMEs with different initiation mechanisms</i>

## Session 7 - Radio Emission and Particle Acceleration

14:45 - 15:10	<b>Neukirch</b>	<i>Invited Review: Theoretical aspects of solar flare particle acceleration (<a href="#">Download</a>)</i>
15:10 - 15:25	<b>Threlfall</b>	<i>Particle acceleration at a reconnecting magnetic separator (<a href="#">Download</a>)</i>
15:25 - 15:50	<i>Coffee Break &amp; Poster Rotation 2</i>	
15:50 - 16:05	<b>Stackhouse</b>	<i>The formation of the Kappa-distribution accelerated electron</i>



		<i>populations in solar flares (<a href="#">Download</a>)</i>
16:05 - 16:30	<b>Vilmer</b>	<i><u>Invited Review</u>: Radio diagnostics of energetic electrons produced in solar flares, CMEs and shocks (<a href="#">Download</a>)</i>
16:30 - 16:45	<b>Magdalenic</b>	<i>Type III radio bursts observed with LOFAR and Nancy radioheliograph</i>
16:45 - 17:00	<b>Kozarev</b>	<i>From solar EUV waves to low coronal shocks and SEP acceleration</i>
17:00 - 17:15	<b>Carley</b>	<i>The 3-dimensional trajectory of a solar radio burst source through the corona (<a href="#">Download</a>)</i>
17:15 - 17:30	<b>Kuznetsov</b>	<i>Analysis of the polarization degree distribution along limb flaring loops of July 19, 2012 (<a href="#">Download</a>)</i>
17:30 - 17:45	<b>Kupriyanova</b>	<i>Spatially resolved minute periodicities of microwave emission during a strong solar flare (<a href="#">Download</a>)</i>
17:45 - 18:00	<b>Morosan</b>	<i>Imaging low frequency radio bursts with LOFAR (<a href="#">Download</a>)</i>

## Friday 12th September

### Session 8 - The Solar Wind and Space Weather Research

08:50 - 09:15	<b>Kilpua</b>	<i><u>Invited Review</u>: Space weather consequences of coronal mass ejections and their sheath regions (<a href="#">Download</a>)</i>
09:15 - 09:30	<b>Janvier</b>	<i>Statistical analyses of small and large flux ropes in the solar wind</i>
09:30 - 09:45	<b>Lugaz</b>	<i>On the propagation and interaction of CMEs (<a href="#">Download</a>)</i>
09:45 - 10:00	<b>Antiochos</b>	<i>The S-Web model for the slow solar wind (<a href="#">Download</a>)</i>
10:00 - 10:15	<b>Culhane</b>	<i>Active region upflow plasma and its possible contribution to the slow solar wind (<a href="#">Download</a>)</i>
10:15 - 10:30	<b>Reid</b>	<i>Why solar electron beams stop producing type III radio emission (<a href="#">Download</a>)</i>
10:30 - 11:00	<i>Coffee Break</i>	
11:00 - 11:25	<b>Pierrard</b>	<i><u>Invited Review</u>: Space weather effects of the solar wind on different regions of the magnetosphere (<a href="#">Download</a>)</i>
11:25 - 11:40	<b>Blake</b>	<i>Simulating geomagnetically induced currents in the Irish power network (<a href="#">Download</a>)</i>
11:40 - 11:55	<b>Murray</b>	<i>Space weather services and research at the Met Office (<a href="#">Download</a>)</i>
11:55 - 12:00	<i>Closing Address</i>	

## Appendix 2

Last name	First name	Affiliation	Affiliation Country
Andretta	Vincenzo	INAF/Osservatorio Astronomico di Capodimonte	Italy
Antiochos	Spiro	NASA/GSFC	United States
Antolin	Patrick	National Astronomical Observatory of Japan (NAOJ)	Japan
Archontis	Vasilis	MATHEMATICAL INSTITUTE, UNIVERSITY OF ST ANDREWS	United Kingdom
Arregui	Inigo	Instituto de Astrofisica de Canarias	Spain
Asenovski	Simeon	Space Research and Technology Institute, Bulgarian Academy of Sciences	Bulgaria
Attrill	Gemma	Dstl	United Kingdom
Badman	Samuel	University of Oxford	United Kingdom
Ballai	Istvan	SP2RC, University of Sheffield	United Kingdom
Ballester	Jose Luis	Universitat Illes Balears	Spain
Banerjee	Dipankar	Indian Institute of Astrophysics	India
Barczynski	Krzysztof	Max-Planck-Institute for Solar System Research	Germany
Bárta	Miroslav	Astronomical Institute, Academy of Sciences of the Czech Republic	Czech Republic
Battaglia	Marina	FHNW	Switzerland
Bellot Rubio	Luis	Instituto de Astrofisica de Andalucia	Spain
Berghmans	David	SIDC - Royal Observatory of Belgium	Belgium
Berrilli	Francesco	Department of Physics - University of Rome Tor Vergata	Italy
Bethge	Christian	Kiepenheuer Institute for Solar Physics	Germany
Birch	Aaron	Max Planck Institute for Solar System Resarch	Germany
Blake	Sean	Trinity College Dublin	Ireland
Bloomfield	D. Shaun	Trinity College Dublin	Ireland
Bommier	Veronique	LESIA, Observatoire de Paris	France
Bonte	Katrien	Centre for mathematical Plasma-Astrophysics	Belgium
Botygina	Olga	Astronomical Observatory of Taras Shevchenko National University of Kyiv	Ukraine
Bourdin	Philippe-A.	Institute for Space Research, Austrian Academy of Sciences, Graz	Austria
Brekke	Pål	Norwegian Space Centre	Norway
Butler	John	Armagh Observatory	United Kingdom
Byrne	Jason	Institute for Astronomy	United States
Byrne	Mel	Trinity College Dublin	Ireland
Cameron	Robert	Max Planck Institute for Solar System Research	Germany
Candelaresi	Simon	University of Dundee	United Kingdom
Carbonell	Marc	Dept. Matematiques. Universitat Illes Balears	Spain
Carley	Eoin	Trinity College Dublin	Ireland
Carlyle	Jack	UCL-MSSL, Max Planck Institute	United Kingdom
Caudill	Thomas	EOARD	United Kingdom
Chen	Feng	Max Planck Institute for Solar system research	Germany
Cheng	Xin	Nanjing University	China
Chmielewska	Ewa	Astronomical Institute, University of Wroclaw	Poland
Clette	Frédéric	Royal Observatory of Belgium	Belgium
Cristaldi	Alice	INAF	Italy
Culhane	Len	MSSL/UCL	United Kingdom
Cunha da Silva	Rafael Douglas	Universidade do Vale do Paraíba, Brazil	Brazil
D'Huys	Elke	Royal Observatory of Belgium	Belgium
De Groof	Anik	ESA/ESAC	Spain
De Moortel	Ineke	University of St Andrews	United Kingdom
de Patoul	Judith	Laboratoire d'Astrophysique de Marseille	France

De Pontieu	Bart	Lockheed Martin Solar & Astrophysics Laboratory	United States
De Visscher	Ruben	Royal Observatory of Belgium	Belgium
Decker	Robert	John Hopkins University Applied Physics Laboratory	United States
Del Moro	Dario	University of Rome Tor Vergata	Italy
Del Zanna	Giulio	University of Cambridge	United Kingdom
Dickson	Ewan	University of Graz	Austria
Dierckxsens	Mark	Belgian Institute for Space Aeronomy (BIRA-IASB)	Belgium
Dissauer	Karin	Institute of Physics/IGAM, University of Graz	Austria
Doerr	Hans-Peter	Kiepenheuer-Institute for Solar Physics, Freiburg, Germany	Germany
Dominique	Marie	Royal Observatory of Belgium	Belgium
Dudík	Jaroslav	DAMTP, CMS, University of Cambridge, Wilberforce Road, Cambridge CB3 0WA	United Kingdom
Dzifcakova	Elena	Astronomical Institute ASCR Ondrejov	Czech Republic
Erdelyi	Robertus	sp2rc, u of sheffield	United Kingdom
Falco	Mariachiara	Università degli Studi di Catania	Italy
Fang	Xia	Afdeling Plasma-astrofysica	Belgium
Feng	Li	Max Planck Institute for Solar System Research	Germany
Fleck	Bernhard	ESA	United States
Fournier	Yori	Leibniz Institute for Astrophysics	Germany
Franz	Morten	Kiepenheuer Institut für Sonnenphysik	Germany
Froment	Clara	Institut d'Astrophysique Spatiale (IAS)	France
Gallagher	Peter	Trinity College Dublin	Ireland
Galvin	Antoinette	University of New Hampshire	United States
Gent	Frederick	University of Sheffield	United Kingdom
Georgoulis	Manolis K.	RCAAM of the Academy of Athens	Greece
Getling	Alexander	Institute of Nuclear Physics, Lomonosov Moscow State University	Russia
Giannattasio	Fabio	University of Rome Tor Vergata	Italy
Golding	Thomas	University of Oslo, Institute of theoretical astrophysics	Norway
Goossens	Marcel	KU Leuven	Belgium
Green	Lucie	MSSL/UCL	United Kingdom
Guglielmino	Salvo L.	Università di Catania	Italy
Gunar	Stanislav	School of Mathematics and Statistics, University of St Andrews	United Kingdom
Haberreiter	Margit	PMOD/WRC	Switzerland
Hannah	Iain	University of Glasgow	United Kingdom
Hayes	Laura	Trinity College Dublin	Ireland
Heinzel	Petr	Astronomical Institute, Academy of Sciences	Czech Republic
Henriques	Vasco	Queen's University Belfast	United Kingdom
Higgins	Paul	Trinity College Dublin / LMSAL	Ireland
Hood	Alan	University of St Andrews	United Kingdom
Ichimoto	Kiyoshi	Kyoto University	Japan
Inglis	Andrew	NASA Goddard Space Flight Center	United States
Innes	Davina	Max Planck Institute for Solar System Research	Germany
Inoue	Satoshi	School of Space Research, Kyung Hee University	Korea, Republic of (South)
Jabbari	Sarah	Stockholm University	Sweden
Jafarzadeh	Shahin	Institute of Theoretical Astrophysics, University of Oslo	Norway
Janvier	Miho	University of Dundee	United Kingdom
Jejcic	Sonja	University of Ljubljana, Faculty of Mathematics and Physics	Slovenia
Jurcak	Jan	Astronomical Institute of the Academy of Sciences, Czech Republic	Czech Republic
Karak	Bidya Binay	NORDITA	Sweden
Karlicky	Marian	Astronomical Institute of Academy of Sciences	Czech Republic

Kato	Yoshiaki	University of Oslo	Norway
Kawate	Tomoko	Queen's University Belfast	United Kingdom
Keppens	Rony	Centre for mathematical Plasma Astrophysics, Department of Mathematics, KU Leuven	Belgium
Kerr	Graham	University of Glasgow	United Kingdom
Keys	Peter	Queen's University Belfast/University of Sheffield	Ireland
Kiefer	René	Kiepenheuer-Institut für Sonnenphysik	Germany
Kilpua	Emilia	University of Helsinki	Finland
Kolobov	Dmitri	Institute of Solar-Terrestrial Physics, Siberian Branch, Russian Academy of Sciences	Russia
Kontogiannis	Ioannis	IAASARS - NOA	Greece
Korsos	Marianna	Hungarian Academy of Sciences Research Centre for Astronomy and Earth Sciences Konkoly Thege Miklós Astronomical Institute HELIOPHYSICAL OBSERVATORY	Hungary
Kotrc	Pavel	Astronomical Institute AS CR Ondřejov	Czech Republic
Koza	Julius	Astronomical Institute, Slovak Academy of Sciences	Slovakia
Kozarev	Kamen	Smithsonian Astrophysical Observatory	United States
Kuridze	David	Astrophysics Research center, Queen's University Belfast	United Kingdom
Kuznetsov	Sergei	Radiophysical Research Institute	Russia
László	Etesi	FHNW	Switzerland
Ledentsov	Leonid	Sternberg Astronomical Institute, Moscow State University	Russia
Lee	Eon Jui	University of St Andrews	United Kingdom
Lee	Jae-Ok	School of Space Research, Kyung Hee University	Korea, Republic of (South)
Lee	Kangjin	School of Space Research, Kyung Hee University	Korea, Republic of (South)
Leenaarts	Jorrit	Stockholm University	Sweden
Leibacher	John	IAS (Orsay) & NSO(Tucson)	France
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