



16th
European
Solar
Physics
Meeting

Welcome to ESPM-16

September 6-10, 2021



Images from Budapest, ESPM-16



The science is covering all topics in solar and heliospheric physics:

- [Topic 1 - Solar Interior, Dynamo, Large-Scale Flows and the Solar Cycle](#)
- [Topic 2 - The Solar Atmosphere: Heating, Dynamics and Coupling](#)
- [Topic 3 - Fundamental Plasma Processes in the Solar Atmosphere: Magnetic Reconnection, Waves, Emission, Particle Acceleration](#)
- [Topic 4 - From Radio to Gamma Rays: Near-Sun Manifestations and Triggering of Solar Flares and Coronal Mass Ejections](#)
- [Topic 5 - Solar-Terrestrial Relations, Solar Wind, Space Weather and Space Climate](#)

The main objective of the meeting is to broaden the collaborations and to exchange scientific results with Europe and beyond;

**Strong response of the solar community: 632 participants !
(Probably the largest solar physics meeting)**

As the meeting progresses please keep time for discussion. To facilitate the discussions, the meeting will have

Invited review talks (~2 per topic) ~15min+5min for questions













Contributed talks (~400 contributions)

Plenary contributed talks 12 mins +3 mins for questions

Parallel session talks (poster presentations) = 7min +5 mins for questions

Please, joint zoom 15 mins before your session!

As the meeting progresses please keep time for discussion

09:00	Welcome to ESPM-16						<i>Eduard Kontar</i>
	<i>Online</i>						09:00 - 09:05
	Magnetic flux emergence and the solar dynamo						<i>Laurene Jouve</i>
	<i>Online</i>						09:05 - 09:25
	Advances in mean-field dynamo theory						<i>Prof. Axel Brandenburg</i>
	<i>Online</i>						09:25 - 09:45
	Babcock-Leighton solar dynamo models including the observed meridional circulation and surface flux loss						<i>Simon Cloutier</i>
	<i>Online</i>						09:45 - 10:00
10:00	Helioseismic evidence for large-scale flow cells in the solar convection zone						<i>Alexander Getling</i> 
	<i>Online</i>						10:00 - 10:15
	Coffee break						10:15 - 10:45
	The rotation rate of active a... <i>Alexander Ku...</i>	Direct evidence of a pre twis... <i>David MacTa...</i>	Different properties of micro... <i>Elena Kupriya...</i>	A CME followed by a promir  <i>Dr Alessandr...</i>	Statistical study of CMEs, la  <i>Alexandros A...</i>	Two Classes of Eruptive Ev... <i>Prantika Bho...</i>	
11:00	The N-S-asymmetry of the differen  <i>Dr Anastasiya Zh...</i>	Characterising upflows in coronal ... <i>Conrad Schwanitz</i>	Simulating Atmospheric Heating w  <i>Rebecca Robinson</i>	Evolution of the critical instability  <i>Dr Alexander Ja...</i>	Estimating uncertainties in the ba... <i>Alexandros Kouk...</i>		
	A catalog of bipolar active r  <i>A.I. Khlystova</i>	Energy generation, transpor... <i>Cosima Breu</i>	Electron acceleration by La... <i>Mrs Evgeniia ...</i>	The energy partition in solar  <i>Dr Alexander ...</i>	Novel validation scheme for  <i>Andreas Wag...</i>	Are we resolving coronal st  <i>Robert Walsh</i>	
	How good is the bipolar app  <i>Anthony Yeates</i>	The SOLARNET Trans-natio... <i>Don Keadman</i>	Diagnostics and fine structu... <i>Fabian Beck</i>	Origin and Evolution of the  <i>Andre Fran</i>	3D CME reconstruction mod... <i>Mr Antonio Ni</i>	Stratification of canopy ma... <i>Roberta Mara</i>	

- **ESPD elections: vote today!**
- **All welcome to attend ESPD business meeting on Tuesday evening**
- **ESPD Senior Prize Lecture by Eric Priest (Friday)**
- **PhD student poster Prizes (Friday)**
- **Solar Physics Journal Prize (Friday)**

Organisers

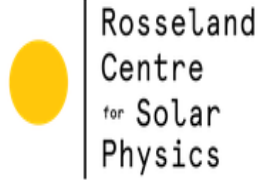
Organising Committee

- Eduard Kontar (UK, University of Glasgow, ESPD president)
- Etienne Pariat (FR, Observatoire de Paris)
- Istvan Ballai (UK, University of Sheffield)
- Tiago Pereira (NO, University of Oslo)
- Shaun Bloomfield (UK, Northumbria University)
- Ilaria Ermolli (IT, INAF-Rome Astronomical Observatory)
- Elena Khomenko (ES, Instituto de Astrofísica de Canarias)
- Emilia Kilpua (FI, University of Helsinki)
- Jasmina Magdalenic (BE, Royal Observatory of Belgium)
- Ramon Oliver (ES, University of the Balearic Islands)
- Georgia Tsiropoula (GR, National Observatory of Athens)
- Francesca Zuccarello (IT, University of Catania)
- Alessandro Bemporad (IT, INAF-Turin Astronomical Observatory)
- Mats Carlsson (NO, University of Oslo, co-opted [EAST](#))
- Manolis Georgoulis (GR, Academy of Athens, co-opted former ESPD president)
- Stefaan Poedts (BE, KU Leuven, co-opted [SWWT](#))

Local support

- Souvik Bose (NO, University of Oslo)
- Kilian Krikova (NO, University of Oslo)
- Thore Espedal Moe (NO, University of Oslo)
- Nancy Narang (NO, University of Oslo)
- Mats Ola Sand (NO, University of Oslo)

Sponsors



Institutional partners

- [EAST](#)
- [CESRA](#)
- [ESA Space Weather Working Team \(SWWT\)](#)
- [Joint Organization for Solar Observations \(JOSO\)](#)

Enjoy the meeting!