

STFC Introductory Course on Solar and Solar-Terrestrial Physics

St Andrews

21 – 25 August 2023

“Ask me anything” Session

UK Community

- **UK Solar Physics** (UKSP, <https://www.uksolphys.org/>)
Website, email newsletter, solar sessions at NAM, ...
- **Magnetospheric, Ionospheric, Solar-Terrestrial** (MIST, <https://www.mist.ac.uk/>)
Website, email announcements, meetings, ...
- **Royal Astronomical Society** (<https://ras.ac.uk/>)
“The Royal Astronomical Society (RAS), founded in 1820, encourages and promotes the study of astronomy, solar-system science, geophysics and closely related branches of science.”
Membership fee (£30 for students; really worthwhile)
National Astronomy Meetings (NAM)
Discussion Meetings
Monthly Notices of the Royal Astronomical Society (peer-reviewed journal)
Many other things (see website)
- **UK MHD**
Annual meetings, email announcements

European Community

- **European Solar Physics Division** (of the **European Physical Society**, EPS; <https://www.eps.org/members/group.aspx?id=85203>)

Large Solar Physics Conference every 3 years, prizes, sessions at the annual EPS Plasma Physics Conference

- **European Geophysical Union** (EGU, <https://www.egu.eu/>)

“The European Geosciences Union (EGU) is the leading organisation for Earth, planetary and space science research in Europe.”

Annual Meetings (in spring), journals, prizes, news, jobs etc

- **European Astronomical Society** (EAS, <https://eas.unige.ch/>)

- **Community of European Solar Radio Astronomers**
(CESRA, <https://www.astro.gla.ac.uk/users/eduard/cesra/>)

International Community

- **American Geophysical Union** (AGU; <https://www.agu.org/>)
Meetings, journals, etc
- **Solar Physics Division, American Astronomical Society** (SPD/AAS, <https://solarnews.nso.edu/>)
email newsletter, website, meetings, ...
- **International Astronomical Union** (IAU; <https://www.iau.org/>)
“Umbrella” organisation of national astronomical societies
- **Committee on Space Research** (COSPAR, <https://cosparhq.cnes.fr/>)
Bi-annual meetings
- **International Association of Geomagnetism and Aeronomy** (IAGA, <https://iaga-aiga.org/>)
- **International Union of Geodesy and Geophysics** (IUGG, <https://iugg.org/>)
- ...

Journals (non-comprehensive list!)

- Solar Physics, Astrophysical Journal (ApJ), Astronomy and Astrophysics (A&A), Monthly Notices of the Royal Astronomical Society (MNRAS), Frontiers in Astronomy and Space Science
- Journal of Geophysical Research (JGR), Geophysical Research Letters (GRL)
- Physic of Plasmas (PoP), Journal of Plasma Physics (JPP)
- ...

Some Remarks:

For some journals, you may have to pay page charges to publish

UK research councils have an open access policy – your paper must not only be available behind a “paywall”

Useful “Stuff”: Literature search

- [NASA/ADS \(https://ui.adsabs.harvard.edu/\)](https://ui.adsabs.harvard.edu/): free service, personal account possible
- [Web of Knowledge \(https://wok.mimas.ac.uk/\)](https://wok.mimas.ac.uk/): subscription needed, might be provided by your university
- [ArXiv \(https://arxiv.org/\)](https://arxiv.org/): free service, personal account needed for uploads
- [Solar Physics E-Print Archive \(http://solar.physics.montana.edu/cgi-bin/eprint/default_page.pl\)](http://solar.physics.montana.edu/cgi-bin/eprint/default_page.pl): free service

ADS and WoK are very useful for “backward” and “forward” searches

(“backward”: the papers referenced in a paper

“forward” : which papers cite a particular paper?)

Other Summer Schools

- Other STFC funded schools (see STFC website)
- ISSS (International School for Space Simulations)
- Culham Plasma Physics Summer School
- Les Houches Summer Schools
- Various others across the world