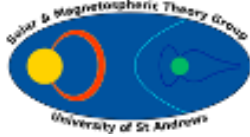




University of  
St Andrews



# STFC Introductory Course in Solar & Solar-terrestrial Physics

20 August – 25 August 2023

University of St Andrews

School of Mathematics and Statistics

Organisers: Solar and Magnetospheric Theory Group

(Proposal Leads: Dr Tom Elsden and Prof Thomas Neukirch)

## **General Information**

Breakfast and dinner (apart from the Conference Dinner on Thursday) will be in Agnes Blackadder Hall.

In the breaks tea/coffee will be served in Room 1A of the building in which the lectures take place. Lunches will also be available from Room 1A.

## **Sunday August 20**

14.00 – 18.00 Arrival for Students/Registration (Agnes Blackadder Hall)

18:00 Dinner (Agnes Blackadder Hall)

19.30 – 21.00 Icebreaker Reception/Registration (Agnes Blackadder Hall)

## **Monday August 21**

09.15 – 09.30 Welcome and Logistics

09.30 – 10.30 Introduction to Plasma Physics (Allanson)

10.30 – 11.00 Break

11.00 – 12.00 MHD: Introduction (Russell)

12.00 – 14.00 Lunch and Break

14.00 – 15.00 Solar Interior and Helioseismology (Chaplin)

15.00 – 16.15 Break and “Ask me Anything”

16.15 – 17.15 MHD: Waves and Instabilities (Howson)

## **Tuesday August 22**

09.30 – 10.30 Managing Your Wellbeing During Your PhD (Pande)

10.30 – 11.00 Break

11.00 – 12.00 Magnetic Reconnection (Parnell)

12.00 – 14.00 Lunch

14.00 – 15.00 Introduction to the Solar Atmosphere (Meyer)

15.15 – 16.15 Break

16.15 – 17.15 CMEs, the Solar Wind and the Heliosphere (Stawarz)

## **Wednesday August 23**

09.30 – 10.30 Solar Variability and Climate (Lockwood\*)

10.30 – 11.00 Break

11.00 – 12.00 Magnetosphere (Coxon)

12.00 – 14.00 Lunch and Break

14:00 – 17:00 Hands on computing: Introductory Python Coding (Software Carpentry Team; including 30 min break)

## **Thursday August 24**

09:30 – 10:30 Ionosphere (Dorrian)

10.30 – 11.00 Break

11.00 – 12:00 Mesosphere and Thermosphere (Jackson)

12.00 – 14.00 Lunch and Break  
14:00 – 15:00 Career Session (Panel discussion and Q&A)  
15:00 – 15:30 Break  
15:30 – 17:00 Equality, Diversity and Inclusion (Fernando)  
18:30 – Conference Dinner (St Salvator's Hall)

***Friday August 25***

09:30 – 10:30 Planetary Plasma Environments (Ray)  
10.30 – 11.00 Break  
11:00 – 12:00 Public Engagement Session (Imber)  
12:00 – 14:00 Lunch  
14:00 Close

\*online