

## Agenda

# PolGEC WORKSHOP 2024

## Workshop on the modelling of the global atmospheric electric circuit

11-13 September 2024

Staszic Palace, Nowy Świat 72, Warsaw, Poland

<https://polgec.igf.edu.pl>

### 11th September 2024 (Wednesday)

10:00 – 10:30 Welcome tea and coffee

10:00 – 10:45 Registration and poster arrangement

10:45 – 11:00 Opening and Introduction to PolGEC Workshop

#### **11:00 – 12:45 Session 1**

11:00 – 11:30 A. Odzimek “Global atmospheric electric circuit (GEC) and GEC modelling – a historical perspective and the modern approach”

11:30 – 12:30 B. Tinsley “The influence of the solar wind electric and magnetic fields on the latitude and temporal variations of the current density,  $J_z$ , of the global electric circuit, with relevance to weather and climate”

12:30 – 12:45 Discussion

12:45 – 13:30 Lunch

#### **13:30 – 16:00 Session 2**

13:30 – 14:30 A. Szkop “Overview of atmospheric aerosols and their connections with atmospheric electricity”

14:30 – 15:00 Tea and coffee

15:00 – 15:45 A. Pietruczuk “Techniques of aerosol measurements by the example of IGF PAS, Poland”

15:45 – 16:00 Discussion

16:00 – 18:30 Guided tour

### 12th September 2024 (Thursday)

10:00 – 10:30 Registration and poster arrangement, Morning tea and coffee

#### **10:30 – 12:45 Session 3**

10:30 – 10:45 Introduction to Workshop Day 2 and Announcements

10:45 – 11:45 S. Milan “Electrodynamics of the solar wind-magnetosphere-ionosphere coupled system”

11:45 – 12:30 M. Walach “Electrodynamic Coupling and Time Variability in the Ionospheric Electric Field”

12:30 – 12:45 Discussion

12:45 – 13:30 Lunch

**13:30 – 15:45 Session 4 – Poster Session**

13:30 – 14:00 Lightning talks

14:00 – 14:30 Discussions at posters

14:30 – 15:00 Tea and coffee

15:00 – 15:45 Discussions at posters

15:45 - 21:45 Trip to Świder Geophysical Observatory and Workshop Dinner

13th September 2024 (Friday)

09:30 – 10:00 Registration, Morning tea and coffee

**10:00 – 12:45 Session 5**

10:00 – 10:15 Introduction to Workshop Day 3 and Announcements

10:15 – 11:00 M. Rycroft “Some key points about the Global Electric Circuit (GEC)”

11:00 – 11:45 E. Williams “Chimney Source Quantification based on Single Station Observations of the Schumann Resonance Fundamental Magnetic Mode (8 Hz) at High Latitude”

11:45 – 12:30 M. Kamogawa “Surface atmospheric electric field measurements for global electric circuit studies at Syowa Station, Antarctica: reducing charged snow particle noise from ground snowstorms”

12:30 – 12:45 “Intercomparison of ThunderHours and Lightning-cluster at different timescales”

12:45 – 13:30 Lunch

**13:30 – 15:15 Session 6**

13:30 – 14:00 A. Odzimek „EGATEC Tutorial”

14:00 – 14:30 D. Kępski „Świder Dataset Tutorial”

14:30 – 15:00 Tea and coffee

15:00 – 15:15 Discussion

15:15 – 15:30 Summary and closing remarks

15:30 Adjourn