

Curriculum Vitae

Name: Ivan Dorotovič, Ph. D.

Date of birth: January 28, 1963

Nationality: Slovak

Institution: Slovak Central Observatory, Hurbanovo, Slovak Republic

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Education: – Comenius University, Bratislava, Faculty of Mathematics and Physics - **graduate degree** in 1987, astronomy and astrophysics, dissertation title: 'Five-minute Oscillations in the Solar Photosphere', supervisor: Dr. Bohuslav Lukáč.
• **Postgraduate study:** 1993 - 1998, degree of Doctor of Philosophy - 1998, November, Astronomical Institute, Slovak Academy of Sciences, Tatranská Lomnica. Ph.D. Thesis title: 'Cycle of Solar Activity in the Corona', supervisor: Dr. Milan Rybanský.

Date of joining of my present institution: August 1987

Position: Researcher / Head of the Scientific and Observational Department

Subjects of research: Five-minute oscillations in the solar photosphere; Cycles of solar activity in the solar photosphere, chromosphere, and corona; North-south asymmetry of the solar activity; Total solar eclipses; Space weather; High-resolution study of features in solar photosphere; Solar differential rotation; Solar wind - Earth's magnetosphere interaction processes, Impact of solar activity on Earth's climate and tree growth patterns; Forbush decreases of cosmic radiation.

Scientific activities comprise the co-operation with institutions in Slovakia (Astronomical Institute, Slovak Academy of Sciences, Tatranská Lomnica; Astronomical Institute, Comenius University, Bratislava) and abroad (Instituto de Astrofísica de Canarias, La Laguna, Tenerife, Spain; Astronomical Institute, Observatory Ondřejov, Czech Republic; Sternberg Astronomical Institute, State University, Moscow, Russia; Observatório Astronómico da Universidade de Coimbra and UNINOVA-CA3, Campus FCT-UNL, Caparica, Portugal); SP²RC University of Sheffield, UK; and participation in the international programs and projects (SCOSTEP; COSPAR; ISWI; SONNE Network, Germany; SIDC Brussels, Belgium; NGDC, Boulder, USA), SEIS (Space Environment Information System for Mission Control Processes) – ESA/UNINOVA/DEIMOS, COSIS (Coimbra Solar Information System), ESASOC – Mobility SK-PT.

Organisation of conferences: Solar Eclipse August 1999 Symposium „Research Amateur Astronomy in the VLT Era“, August 7-13, 1999, Garching, Germany (member of the SOC).

Coimbra Solar Physics Meeting on The Physics of Chromospheric Plasmas, 9 - 13 October 2006, University of Coimbra, Portugal (member of SOC and LOC; co.editor of the proceedings).

Coimbra Solar Physics Meeting on Ground-based Solar Observations in the Space Instrumentation, 5 – 9 October 2015, University of Coimbra, Portugal (member of SOC and LOC; co.editor of the proceedings).

National Solar Physics Meetings with international participation – from the 15th to 24th National Solar Physics Meeting (2000 – 2018).

Memberships:

Slovak Astronomical Society,
European Astronomical Society (EAS),
Joint Organisation for Solar Observations (JOSO),
Grupo de Astrofísica da Universidade de Coimbra (GAUC) – till December 2007, European Geosciences Union,
International Astronomical Union (IAU)

Other activities:

- Supervisor and referee of undergraduates for their dissertation, University of Constantine the Philosopher, Nitra;
- Lecturer at the Slovak Central Observatory in Hurbanovo – lectures on astronomy and astrophysics at a secondary school level.
- Lectures in UNINOVA-CA3 Group (Caparica, Portugal):
Hurbanovo Observatory (October 2003), The Sun –Introduction (November 2003), Solar Atmosphere (January 2004), Solar Activity (February 2004), Space Weather (February 2004), Solar Physics related Space Missions – March 2004), Turbulence in the Solar Wind and the Earth's Magnetosphere (September 2005).
- Lectures in GAUC Group (Coimbra, Portugal):
Magnetic Turbulence in the Solar Wind and the Earth's (June 2005).
- Lectures in summer course of BEST (Coimbra, Portugal):
The Sun –Introduction, Solar Atmosphere, Solar Activity, Space Weather, Solar Physics related Space Missions (August 2005).

Programming experience: IDL, MATLAB

Post-doctoral fellowship I. in Portugal (from October 2003 to September 2006): Observatório Astronómico da Universidade de Coimbra and UNINOVA-CA3, Campus FCT-UNL, Caparica, Portugal.

Since 2006: continuation of collaboration with OAUC Coimbra (as a solar astrophysicist) / UNINOVA-CA3, Caparica and IICT Lisbon (as a scientific advisor in the field of solar physics).

Post-doctoral fellowship II. in Portugal (from August 2009 to July 2015): UNINOVA-CA3, Campus FCT-UNL, Caparica, Portugal.

Short term stays (more details in the research interests):

1. Instituto de Astrofísica de Canarias, La Laguna, Tenerife, Spain, April 2000, Dr. M. Sobotka
2. Several short term stays in the Astronomical Institute, Observatory Ondřejov, Czech Republic; in years 2000 – 2001, Dr. M. Sobotka.

20 November 2018

Ivan Dorotovič