

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'.

- **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 (till now)

Position: Independent researcher

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 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; 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).

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).

National Solar Meetings with international participation – the 15th Solar Meeting was held in Komárno, 19-23 June, 2000, (member of the SOC and LOC),

the 16th Solar Meeting was held in Turčianske Teplice, 3-7 June, 2002 (chair of the SOC and LOC, editor of the proceedings).

the 17th Solar Meeting was held in Tatranská Lomnica, 24-28 May, 2004, (member of the SOC and LOC, editor of the proceedings).

the 18th Solar Meeting was held in Modra, 22-26 May, 2006, (member of the SOC and LOC, editor of the proceedings).

Coimbra Solar Physics Meeting 2006: “The Physics of Chromospheric Plasmas”, Coimbra, October 9-13, 2006 (member of the SOC and LOC, co-editor of the proceedings).

the 19th Solar Meeting will be held in May, 2008, (member of the SOC and LOC, editor of the proceedings).

the 20th Solar Meeting will be held in June, 2010, (member of the SOC and LOC, editor of the proceedings).

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 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).

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.

19 January 2011

Ivan Dorotovič