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Position:

scientific advisor

Room:

505

Curriculum Vitae, Bojan Vršnak

Personal Information

Born: 16.03.1957, Zagreb, Croatia

Citizenship: Croatia

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Professional Preparation

PhD, Astrophysics (Solar Physics), University of Zagreb, 1987

MSc, Astrophysics (Solar Physics), University of Zagreb, 1983

BSc, Theoretical Physics, University of Zagreb, 1980

Employment: Hvar Observatory, [Faculty of Geodesy](#), Uni. Zagreb, since 1981

Position: scientific advisor, since 2000

Research field: solar physics - theoretical and observational aspects of: eruptive phenomena in the solar atmosphere, coronal and interplanetary shocks, heliospheric propagation of coronal mass ejections, solar-terrestrial physics, space weather

Teaching: Faculty of Natural Sciences, [University of Zagreb](#) (two postgraduate courses:

Plasma Physics and Solar Magnetohydrodynamics);

[Karl-Franzens Universität Graz](#)

(Guest Prof.: 2001 course: Solar Flares; 2007 course: Physics of Solar Flares and CMEs; 2014 course: Physics of CMEs); mentor of 14 PhD theses, 11 MSc theses., and 11 BSc theses; author of University textbook on plasma physics: "Temelji fizike plazme" (Školska knjiga, 1996); three handbooks, 14 chapters in books; active in popularization of astronomy (several public lectures per year).

Member of the **editorial board** for the journals [Solar Physics](#), [The Scientific World Journal](#), [Journal of Astrophysics](#), and [Central European Astrophysics Bulletin](#).

Member of [International Astronomical Union](#) (IAU), [American Geophysical Union](#) (AGU), [European Astronomical Society](#) (EAU), [Committee on Space Research](#) (COSPAR), Joint Organization for Solar Observation (JOSO), [Community of European Solar Radio Astronomers](#) (CESRA), [Croatian Astronomical Society](#), [Croatian Physical Society](#).

Referee of a number of national projects in Belgium, Czech Republic, Georgia, Poland, Slovakia, and USA; referee of almost 100 papers in journals [Adv. Space Res.](#), [Ann. Geophys.](#)

, [Astron. Astrophys.](#)

, [Astrophys. J.](#)

, [Astrophys. J. Lett.](#)

, [Astron. Nachr.](#)

, [Geophys. Res. Lett.](#)

, [Int. J. Geomag. Aeron.](#)

; [J. Atm. Sol.-Terr. Phys.](#)

; [J. Geophys. Res.](#)

, [Solar Phys.](#)

, [Space Sci. Rev.](#)

, [Publ. Astron. Soc. Japan.](#)

Publications: 347 sci. papers in peer-reviewed journals listed in [NASA-ADS](#) (187 indexed in "Current Contents"), mostly related to eruptive phenomena in the solar atmosphere and their

interplanetary propagation; more than 10.000 citations according to

[NASA-ADS](#)

(average citation rate in last few years > 70 cit/month; h-index = 53). 195 papers are recorded by ISI-WOK with total number of citations > 7700 (h-index = 51). Published four textbooks on plasma physics, astronomy and astrophysics, as well as a number of popular-science articles.

Awards:

- The International [Kristian Birkeland medal](#) for Space Weather and Space Climate, 2017
- According to bibliographic survey of the Stanford university (California, 2019.) based on SCOPUS data base, is among 2% of most influential world scientists.

Principal investigator or a collaborator in a number of **national and international projects** in the field of solar physics and space weather.

International collaboration: [Astronomicky ustav Ondrejov](#) ; [Astrophysikalisches Institut Potsdam](#) ; [Christian-Albrechts-Universität](#) ; [International Space Science Institute](#), Bern; [Institut d'Aeronomie Spatiale de Belgique](#) ; [Institut f. Geophysik, Astrophysik und Meteorologie](#), Graz; [NASA - Goddard Space Flight Center](#) ; [Observatoire de Paris-Meudon](#) ; [Royal Observatory of Belgium](#) ; [Air Force Research Laboratory](#) ; [US Naval Reserach Laboratory](#).

[Publications \(NASA/ADS\)](#)

[CROSBI \(Croatian Scientific Bibliography\)](#)