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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 6 PhD theses, 4 MSc theses., and 11 BSc theses; author of University textbook on plasma physics: "Temelji fizike plazme" (Školska knjiga, 1996); 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), [Eu](#)
[ropean 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: 251 sci. papers in peer-reviewed journals listed in [NASA-ADS](#) (168 indexed in
"Current Contents"), mostly related to eruptive phenomena in the solar atmosphere and their
interplanetary propagation; more than 6500 citations according to

[NASA-ADS](#)

(average citation rate in last few years \approx 70 cit/month; h-index = 45). 203 papers are recorded by ISI-WOK with total number of citations >5100 (h-index = 43; total number of citations of all papers 5490). 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

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

International collaboration: [Astronomický ústav Ondřejov](#) ; [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 \(Croatian Scientific Bibliography\)](#)