

Project proposal title: Blowing in the Wind
Acronym: BOWIE

Name, father's/mother's name and family name: **Dorde (Vladimir) Savić**
Principal Investigator (PI) or Participant: Participant
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Astronomical Observatory, Volgina 7, 11060, Belgrade, Serbia
Contact person: Dr. Gojko Đurašević, Director

BIOGRAPHY

Date and place of birth: 2th November 1990, Kragujevac, Serbia

Age: 28

Citizenship: Serbian

Research field and area/areas: Active galactic nuclei, optical spectropolarimetry, polarized radiative transfer

Education:

- (2014-present) PhD student in astrophysics in a joint program by Faculty of Mathematics, University of Belgrade, Serbia and Doctoral School for Physics and Physical chemistry, University of Strasbourg.
- (2013-2014) Msc in astrophysics at University of Belgrade, Faculty of Mathematics, “Stability of mass transfer in close binary systems with white dwarfs as components”, supervised by dr Bojan Arbutina. Average grade 9.75 out of 10
- (2009-2012) Bachelor degree in astrophysics at the University of Belgrade, Faculty of Mathematics, average grade 9.65 out of 10

Dates of appointments (researcher and scientific titles):

- Research assistant (Astronomical Observatory): April 2018
- Junior research assistant (Astronomical Observatory): March 2015

Employment history:

- Astronomical Observatory (Belgrade, Serbia): March 2015 – present

List of selected publications (up to five most important publications in the research field of the Project).

1. *Modeling optical and UV polarization of AGNs IV. Polarization timing*. Lobos, P. A. Rojas; Goosmann, R. W.; Marin, F.; **Savic, D.**; ASTRONOMY & ASTROPHYSICS Volume: 611 Article Number: A39 DOI: 10.1051/0004-6361/201731331; Published: MAR 20 2018; ISSN:0004-6361; impact factor 6.209 (as of 2018), category M21
2. *AGN black hole mass estimates using polarization in broad emission lines*. **Savic, D.**; Goosmann, R.; Popovic, L. C.; Marin, F.; Afanasiev, V. L.; ASTRONOMY & ASTROPHYSICS Volume: 614 Article Number: A120 DOI: 10.1051/0004-6361/201732220 Published: JUN 28 2018; MAR 20 2018; ISSN:0004-6361; impact factor 6.209 (as of 2018), category M21
3. *Predicting the broad-lines polarization emitted by supermassive binary black holes*. Savic, **D.**; Marin, F.; Popovic, L. C.; ASTRONOMY & ASTROPHYSICS Volume: 623 Article Number: A56 DOI: 10.1051/0004-6361/201834443 Published: MAR 5 2019; ISSN:0004-6361; impact factor 6.209 (as of 2018), category M21

Citation number (excluding self-citations): NASA ADS¹: 15

Hirsch index: h=2 (NASA ADS)

Project history:

- Three months visit at the Special astrophysical observatory of the Russian Academy of science (SAO RAS) July-September 2019, funded by Russian Foundation for Basic Research, grant number 19-32500.
- A short term scientific mission in Strasbourg 11-15 of May 2015 through the cost „Polarization as a tool to study the Solar System and beyond“, Action MP1104
- Participant in the following projects of Ministry of education, science and technological development of Republic of Serbia:
 - ‘Extragalactic spectroscopy’ (#176001, 2015-present)

¹The most complete citation database in astrophysics, maintained by NASA: <http://adsabs.harvard.edu>

Awards, prizes, etc:

- Prize: “Prof. Zaharije Brkic” for the best undergraduate student for 2012/2013 school year at the University of Belgrade, Faculty of Mathematics, Department of Astronomy
- Fellowship of the French Government for Ph.D. studies in co-mentorship between the University of Belgrade and University of Strasbourg (2015-2018).

International scientific collaboration and mobility:

- Successful collaboration between the Astronomical observatory of Strasbourg, Special astrophysical observatory of the Russian academy of science and Astronomical observatory in Belgrade.

Observing experience

- PI of 1 approved program on 6-m telescope of the SAO RAS

Organizational and other professional activities:

- Member of LOC of:
 - “10th Serbian Conference on Spectral Line Shapes in Astrophysics,” Srebrno jezero, Serbia, June 15-19, 2015
 - “11th Serbian Conference on Spectral Line Shapes in Astrophysics”, Šabac, Serbia, August 21-25, 2017.
- Teaching assistant in AstroMundus, a 2-years Erasmus+: Erasmus Mundus Joint Masters Degree programme in Astronomy and Astrophysics (2014-2018)
- Member of the Society of Astronomers of Serbia (2017-present)

Databases of researchers:

- NASA ADS: <https://ui.adsabs.harvard.edu/user/libraries/UtpZxD-2TRCYzPNGXJDcLQ>