

Project proposal title: Blowing in the Wind
Acronym: BOWIE

Name, father's/mother's name and family name: **Marko (Trajan) Stalevski**

Principal Investigator (PI) or Participant: PI

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Username in the base of researches of the Ministry responsible for scientific research: mstalevski@aob.rs

Astronomical Observatory, Volgina 7, 11060, Belgrade, Serbia

Contact person: Dr. Gojko Đurašević, Director

BIOGRAPHY

Date and place of birth: 7th March 1982, Belgrade, Serbia

Age: 37

Citizenship: Serbian

Research field and area/areas: Active galactic nuclei, dust, radiative transfer, infrared emission

Education:

- (2008-2012) PhD in Astrophysics jointly awarded by Faculty of Sciences, Ghent University, Belgium and Faculty of Mathematics, University of Belgrade, Serbia, average grade 10 out of 10, "*Investigating the structure of active galactic nuclei: the dusty torus*" supervised by Prof. Luka Č, Popović (UB) and Prof. Maarten Baes (Ugent)
- (2001-2008) Graduate Astrophysicist (in old school system, equivalent to master degree), Faculty of Mathematics, University of Belgrade, average grade 9.16 out of 10

Dates of appointments (researcher and scientific titles):

- Assistant Research Professor (Astronomical Observatory): April 2014
- Member of staff on detached duty (Ghent University, Belgium): October 2013
- Research Assistant (Astronomical Observatory): February 2011

Employment history:

- Astronomical Observatory (Belgrade, Serbia): June 2017 – present
- University of Chile (Santiago, Chile): November 2013 – May 2017

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

1. Stalevski, M., Tristram, K., Asmus, D., "Dissecting the active galactic nucleus in Circinus – II. A thin dusty disc and a polar outflow on parsec scales", *Monthly Notices of the Royal Astronomical Society*, 2019, 484, 3334-3355
DOI: 10.1093/mnras/stz220; Online ISSN: 1365-2966; IF=5.194; M21
2. Stalevski, M., Asmus, D., Tristram, K., "*Dissecting the active galactic nucleus in Circinus -- I. Peculiar mid-IR morphology explained by a dusty hollow cone*", *Monthly Notices of the Royal Astronomical Society*, 2017, 472, 3854-3870
DOI: 10.1093/mnras/stx2227; Online ISSN: 1365-2966; IF=5.194; M21
3. Stalevski, M., Ricci, C., Ueda, Y., Lira, P., Fritz, J., Baes, M., "*The dust covering factor in active galactic nuclei*", *Monthly Notices of the Royal Astronomical Society*, 2016, 458, 2288-2302
DOI: 10.1093/mnras/stw444; Online ISSN: 1365-2966; IF=5.194; M21
4. Stalevski, M., Jovanovic, P., Popovic, L.C., Baes, M. 2012b, "*Gravitational microlensing of AGN dusty tori*", *Monthly Notices of the Royal Astronomical Society*, 425, 1576-1584
DOI: 10.1111/j.1365-2966.2012.21611.x; Online ISSN: 1365-2966; Print ISSN 0035-8711; IF=5.194; M21
5. Stalevski, M., Fritz, J., Baes, M., Nakos, T., & Popovic, L. C. 2012a, "*3D radiative transfer modelling of the dusty tori around active galactic nuclei as a clumpy two-phase medium*", *Monthly Notices of the Royal Astronomical Society*, 420, 2756–2772;
DOI: 10.1111/j.1365-2966.2011.19775.x; Online ISSN: 1365-2966; IF=5.194; M21

Citation number (excluding self-citations): NASA ADS¹: 620, SCOPUS: 456, WoS: 424

Hirsch index: h=12 (NASA ADS) h=11 (SCOPUS); h=11 (WoS)

i100-index: 3 (3 papers with more than 100 citations)

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

Project history:

- ‘*A new generation of active galactic nuclei dust emission and polarization models*’, HPC-EUROPA3 Transnational Access to HPC systems grant, supported by the European Commission H2020 – Research & Innovation: a three-month guest-researcher at University of Crete, Heraklion, Greece, with granted access to GRnet HPC infrastructure.
- ‘*Investigating the structure of active galactic nuclei*’ (#3140518), FONDECYT grant by The National Fund for Scientific and Technological Development of the Republic of Chile, a 3-year fellowship at University of Chile (November 2013-June 2017)
- Japan Society for the Promotion of Science short-term grant for visiting fellow at Kyoto University, Japan (October-November 2014)
- Participant in the following projects of Ministry of education, science and technological development of Republic of Serbia:
 - ‘Extragalactic spectroscopy’ (#176001, 2011-present)
 - ‘Gravitation and large scale structure of the Universe’ (#176003, 2011-present).
 - ‘Astrophysical Spectroscopy of Extragalactic Objects’ (#146002, 2008-2010).

Awards, prizes, etc:

- Astronomical Observatory Award for excellent young researchers (2014)
- Scholarship of Ministry of Science and Technological Development of Republic of Serbia for excellent PhD students (2008-2011)

Reviewing scientific journals:

- *The Astrophysical Journal* – three reviews
- *Monthly Notices of the Royal Astronomical Society* – two reviews
- *Astronomy & Astrophysics* – one review

International scientific collaboration and mobility:

- Scientific Visitor at ESO, Santiago, Chile (November 1 – December 16, 2018)
- Member of BASS SURVEY international collaboration (<https://www.bass-survey.com>): The BAT AGN Spectroscopic Survey: An all-sky study of the brightest and most powerful hard X-ray detected AGN (2016-present).
- Member of GATOS international collaboration (<http://gatos.strw.leidenuniv.nl>): Galactic Activity, Torus and Outflow survey (2016-present).
- Member of staff on detached duty of Department of Physics, Faculty of Sciences, Ghent University, Belgium (October 2013-present)
- BASILEUS scholarship for academic exchange between EU and Western Balkans in the framework of Erasmus Mundus External Cooperation Window for a 10-month research visit to Ghent University, Belgium (February – December 2009)

Observing experience

- PI of 3 approved programmes on VLT
- co-I of more than 30 approved programmes on VLT/VLTI and ALMA

Invited talks at international meetings

- “TORUS 2018: The many faces of the AGN obscuration”, 10 – 14 December, 2018, Puerto Varas, Chile
- Summary talk at “TORUS 2015: The unification scheme after 30 years”, 14-17 September, 2015, Winchester, UK
- „Serbian Conference on Spectral Line Shapes in Astrophysics“, Šabac, Serbia, August 21-25, 2017.
- „Serbian Conference on Spectral Line Shapes in Astrophysics“, Srebno jezero, Serbia, June 15-19, 2015.

Organizational and other professional activities:

- SOC member of “TORUS 2015: The unification scheme after 30 years”, 14-17 September, 2015, Winchester/Southampton, United Kingdom
- LOC co-chair of “9th Serbian Conference on Spectral Line Shapes in Astrophysics,” Banja Koviljača 13-17 May
- Member of LOC of:
 - “8th Serbian Conference on Spectral Line Shapes in Astrophysics,” Divčivare, Serbia, June 6-10, 2011
 - “7th Serbian Conference on Spectral Line Shapes in Astrophysics”, Zrenjanin, Serbia, June 15-19, 2009
- Won several fellowships, including a FONDECYT postdoctoral grant in the total value of ~90000 EUR for conducting independent three-year research program.
- Supervised work of Ghent University student Christian Peest, resulting in a paper (Peest et al. 2017) which was also the basis of student’s successfully defended PhD thesis.

- Member Committee Substitute for Serbia in the COST-CA16104 action ‘Gravitational waves, black holes and fundamental physics’ (<https://gwverse.tecnico.ulisboa.pt/>) (2018-present)
- Teaching assistant in AstroMundus, a 2-years Erasmus+: Erasmus Mundus Joint Masters Degree programme in Astronomy and Astrophysics (2011-2012)
- Board Member of Society of Astronomers of Serbia (2017-present)

Databases of researchers:

- ORCID: <https://orcid.org/0000-0001-5146-8330>
- NASA ADS: <https://ui.adsabs.harvard.edu/public-libraries/KYg80JFSR9ysOkH0xP9VcQ>