

Curriculum Vitae
Mislav Baloković

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PERSONAL *Born:* August 5th 1986, Zagreb, Croatia
Languages: native Croatian, fluent English, good Italian, fair German

EDUCATION

- 2008 - 2010: Department of Physics, Faculty of Science, University of Split, Split, Croatia; M. Sc. Program in Physics/Astrophysics (4th and 5th year)
- 2005 - 2008: Department of Physics, Faculty of Science, University of Zagreb, Zagreb, Croatia; M. Sc. Program in Physics (1st through 3rd year)
- 2001 - 2005: XV. Gymnasium, Zagreb, Croatia

COMPUTER SKILLS

- *Programing Languages:* C (including MPI and CUDA paralelization tools for CPUs and GPUs), C++, IDL, Fortran 90, Python
- *Script and Markup Languages:* bash, csh, IRAF/PyRAF, LaTeX, HTML
- *Software:* Wolfram Mathematica, DS9, MIRIAD, GILDAS, Microsoft/Open Office
- *Operating Systems:* Linux (Ubuntu, Fedora, SuSE, RedHat), Microsoft Windows XP

SCHOLARSHIPS, GRANTS & AWARDS

- *International Fulbright Science and Technology Award* (2010)
- *Top stipendija za top studente* (scholarship, 2010)
- *Željka Matutinović Memorial Grant*, awarded by Almae Matris Alumni Croaticae - Mid Atlantic (AMAC-MA) through their Student Projects Fund (2007)
- scholarship from the Croatian Ministry of Science, Education and Sports (2005 - 2009)

RESEARCH VISITS

- California Institute of Technology (July - August 2010)
- Argelander-Institut für Astronomie (April - May 2010)
- Space Telescope Science Institute (June - August 2009)
- Max-Planck-Institut für Astronomie (September - October 2007)

PUBLICATIONS

- Baloković, M., Smolčić, V., Ivezić, Ž., Zamorani, G., Schinnerer, E., Kelly, B.: *Disclosing the Radio-loudness Distribution Dichotomy in Quasars: An Unbiased Monte Carlo Approach Applied to the SDSS-FIRST Quasar Sample*, 2010, submitted to the Astrophysical Journal
- Baloković, M.: *Investigating the Bimodality in the Radio-loudness Distribution of Quasars*, M.Sc. diploma thesis (advisor: V. Smolčić), University of Split, 2010
- Tung, F. K., Baloković, M.: *CARMA observations of IRAS 19312+1950*, 2010, CARMA Summer School 2010 Report Book (CARMA Memorandum Series No. 55), p. 4-8
- Baloković, M., Kürster, M.: *An Application of Heuristic Algorithms to Radial Velocity Data from Multiple-Planet Extrasolar Systems*, 2008, YSC'15 Proceedings of Contributed Papers (eds. Choliy V. Ya., Ivashchenko G.), p. 44-47

SUMMER SCHOOLS & CONFERENCES

- CARMA (Combined Array for Research in Millimeter-wave Astronomy) Summer School 2010, Cedar Flat, CA, USA (July 2010)
- Vatican Observatory Summer School 2010: *Chemistry of the Universe*, Albano Laziale, Italy, (June 2010)
- *Steady Jets and Transient Jets: Characteristics and Relationship* (conference), Bonn, Germany (April 2010)
- 6th Scientific Meeting of the Croatian Physical Society, Primošten, Croatia (October 2009)
- NOVICOSMO 2009: *Highlights in Astrophysics* (summer school), Rabac, Croatia (September 2009)
- 15th Young Scientists' Conference on Astronomy and Space Physics, Kiev, Ukraine (April 2008)
- Split International Winter School on Astrophysics: *Extrasolar Planets and Astrobiology*, Split, Croatia (February 2007)

MISCELLANEOUS

- Membership in societies: Student Section of Croatian Astronomical Society, Student Section of Croatian Physical Society, Astronomical Society *Ad Infinitum* (amateur astronomy) and Society *znanost.org* (public understanding and promotion of science).
- Translated the subtitles of the educational movie *Eyes on the Skies* to Croatian together with two colleagues. This documentary was made by the International Astronomical Union, the European Space Agency and the European South Observatory for the International Year of Astronomy 2009.
- Lead a working group of 8 students at the International Astronomical Youth Camp 2007 in Tremešek, Czech Republic; the group name and topic was *Advanced Amateur Astronomy and Astrophotography*.

- Participated in the International Astronomical Youth Camp 2005 in Zavadka nad Hronom, Slovakia, and in Tremešek, Czech Republic, in summer 2006.
- Tutored high-school students in XV. Gymnasium as a part of their preparation for astronomy competitions and gave public talks on astronomical topics between 2005 and 2009. Some of the students won first prizes on the National Astronomy Competitions and participated in the International Astronomical Olympiads.
- Worked as a local coordinator and instructor for a nation-wide project *Nebo na poklon (Sky as a Gift)* from 2005 to 2008. My duty was to organize practical astronomy sessions with 3 to 7 instructors (mostly amateur astronomers) and 5 to 8 elementary school teachers interested in astronomy. The aim of the project was to provide the teachers with practical experience in using amateur telescopes (which was provided for each school involved in our program) and motivate them to start regular astronomy classes at their schools.