

ALEKSANDER SĄDOWSKI
Curriculum Vitae

Department of Astronomy, Harvard University
Harvard-Smithsonian Center for Astrophysics
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ACADEMIC QUALIFICATIONS:

Nicolaus Copernicus Astronomical Center, Polish Academy of Sciences, Poland
Astrophysics Ph.D. (with honors), 2011
University of Warsaw, Poland
Astrophysics M.Sc. (with honors), 2006

APPOINTMENTS:

2011 —
ITC Postdoctoral Fellow, Harvard-Smithsonian Center for Astrophysics

GRADUATE ADVISORS AND POSTDOCTORAL SPONSORS

Postdoc Advisor (2011 —)

Prof. R. Narayan (Harvard-Smithsonian Center for Astrophysics)

Graduate Advisor (2007 — 2011)

Prof. M. A. Abramowicz (Nicolaus Copernicus Astronomical Center, Poland
and Goteborg University, Sweden)

Ph.D. thesis: “Slim Accretion Disks Around Black Holes”

OTHER COLLABORATORS

1. Dr. J. McKinney (University of Maryland)
2. Dr. A. Tchekhovskoy (University of California, Berkeley)
3. Prof. F. Özel (University of Arizona)
4. Prof. T. Piran (The Hebrew University in Jerusalem, Israel)
5. Prof. W. Kluzniak (Nicolaus Copernicus Astronomical Center, Poland)
6. Prof. S. Mineshige (Kyoto University, Japan)
7. Prof. M. Sikora (Nicolaus Copernicus Astronomical Center, Poland)

AWARDS

- 2009 Young researcher award, Nicolaus Copernicus Astronomical Center, Polish Academy of Sciences,
2008 — 2011 Ph.D. grant of the Polish Ministry of Science,
2006 Stipend of the Mazovian Voivodship,
2005, 2006 Stipend of the Polish Ministry of Science,
2003 Winner of the national stage of the European Union Contest for Young Researchers,
2002 Laureate of the nation-wide olympic contests in Physics and Technology,
2000 — 2002 Laureate of the nation-wide olympic contest in Astronomy,

CONFERENCES, WORKSHOPS AND MAJOR TALKS

- Oct. 2013 High-Energy Astrophysics Division lunch talk; Harvard-Smithsonian CfA;
talk: *Modeling super-Eddington accretion disks in general relativity*
- Oct. 2013 Postdoc symposium; Harvard-Smithsonian CfA;
talk: *Modeling radiative accretion disks in general relativity*
- Sep. 2013 Insitute for Theory and Computation luncheon; Harvard-Smithsonian CfA;
talk: *Simulating the effect of the Sgr A* accretion flow on the appearance of G2 after pericenter*
- May. 2013 Wednesday lecture series; NCAC, Warsaw, Poland;
talk: *Radio emission from G2 penetrating the Sgr A* accretion disk*
- May. 2013 Revealing radiative processes near black holes; Princeton University;
talk: *Modeling super-Eddington accretion flows*
- Dec. 2012 Astronomy theory lunch talk; University of Maryland;
talk: *Outflows of mass and energy from radiatively inefficient BH accretion disks*
- Dec. 2012 High energy astrophysics seminar; Hebrew University in Jerusalem, Israel;
talk: *Outflows of mass and energy from radiatively inefficient BH accretion disks*
- Oct. 2012 Postdoc symposium; Harvard-Smithsonian CfA;
talk: *Outflows from thick accretion disks*
- Oct. 2012 Insitute for Theory and Computation luncheon; Harvard-Smithsonian CfA;
talk: *Outflows and winds in global simulations of accretion disks*
- Sep. 2012 Accretion disk theory workshop; Gieraltow, Poland;
talk: *Outflows from thick accretion disks*
- July. 2012 Black hole feedback 2012, Darthmouth - Durham extragalactic workshop;
Dartmouth College;
talk: *Outflows from thick accretion disks*
- Oct. 2011 Postdoc symposium; Harvard-Smithsonian CfA;
talk: *Spinning up black holes with super-critical accretion flows*
- Sep. 2010 Workshop on the thermal instability of accretion disks; Xiamen, China;
talk: *Spinning-up of black holes by slim accretion disks*

May 2010 Relativistic whirlwind; Trieste, Italy
talk: *Slim disks present, perfect, continuous*

Feb. 2010 Probing the strong gravity near black holes; Prague, Czech Republic;
poster: *Vertical structure of slim disks*

Oct. 2008 Turbulence and oscillations in accr. disks; Nordita, Stockholm, Sweden;
talk: *Relativistic slim disks*

Sep. 2008 RAGtime 10.0; Opava, Czech Republic;
talk: *Magnetic critical points in accretion disk*

Jun. 2008 Non-stationary accretion disks; Chalmers University, Goteborg, Sweden;
talk: *Slim accretion disks*

Oct. 2007 Jean-Pierre Lasota, X-ray binaries, accretion disks and compact stars; Trze-
bieszowice, Poland;
participant

Oct. 2006 Black-holes: power behind the scene; Kathmandu, Nepal;
talk: *Comprehensive study of black hole populations*

Jun. 2005 Astrophysical sources of high energy part. and radiation; Toru, Poland;
poster: *Comprehensive study of black hole populations*

PRACTICAL SKILLS

- C
- Fortran
- Python
- Mathematica
- MATLAB
- VisIt
- HTML, TeX, office suites