CURRICULUM VITAE

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Name: ANDREI TOKOVININ

Position: Astronomer with tenure

Cerro Tololo Inter-American Observatory National Optical Astronomy Observatory

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Birthdate: December 8, 1953, Moscow, Soviet Union.

Russian Citizen.

Martial status: Married to Alexandra Tokovinina (Babushkina) in 1976.

Sons Alexander (born 1978) and Michail (born 1981).

Education 1992: DrSci degree at Moscow University,

and degrees: thesis "Studies of binary stars in the solar neighbourhood".

1980: PhD degree at Moscow University, thesis "The potential

of high angular resolution techniques in astronomy".

1977-80: PhD student at the Chair of Astrophysics of the Moscow University, thesis advisor prof. Peter Scheglov. 1971-77: Physical Department of Moscow State University.

1969-71: Second mathematical school, Moscow.

Languages: Russian native, English, French, and Spanish fluent.

Science Astronomical instrumentation, interferometry, adaptive optics,

interests: site testing, radial velocities, binary and multiple stars.

Achievements: 1981: Interferometric binaries ζ Dra and ι Lyr discovered

1992: The absence of sub-stellar companions in spectroscopic

binaries ("brown-dwarf desert")

1995: Spectroscopic binary with the highest eccentricity, 0.9754

1997: Multiple Star Catalog (updated in 2010 and 2017).

1997: First instrument to monitor turbulence outer scale, GSM

2000: Fourier theory of multi-conjugate adaptive optics

2002-08: New turbulence profiler, MASS2004: Theory of ground-layer adaptive optics2006: All close spectroscopic binaries are triple

2006-09: Development of lunar scintillometer for site testing

2007-17: Speckle-interferometry at 4m telescopes, new binaries, orbits

2009-13: SAM AO system completion

2010-12: Development of CHIRON spectrograph.

Publications: 173 articles in refereed journals.

69 contributions in conference proceedings.

Popular articles, brochures, scientific translations.

Books: 1988: "Stellar Interferometers" (Moscow: Nauka)

1990: "New imaging methods in astronomy" (Moscow: VINITI)

Projects: 2004-2017: Multiplicity surveys with AO, speckle, etc.

2010-2012: CHIRON exoplanet spectrometer at CTIO.
2002-2010: SOAR Adaptive Module (Project Scientist)
2008-2017: Speckle interferometry at 4-m telescopes

2006-2009: Lunar Scintillometer for surface-layer turbulence

2002-2004: MASS turbulence profiler

1998-2001: Multi-Conjugate Adaptive Optics

1994-2017: Observations of multiple stars, Multiple Star Catalog

1992-97: Development of the "Generalized Seeing Monitor"

1986-92: Radial velocity survey of nearby dwarf stars

1984-86: Development of Correlation Radial-Velocity Spectrometer

1978-90: Michelson interferometry of close double stars

1975-90: Site testing in Central Asia

Employment: 2001-present: Associate Astronomer at CTIO/NOAO, Chile

(tenure since February 22, 2005; Astronomer since 2012) **1999-2000:** Adaptive Optics Group at European Southern

Observatory (Garching, Germany).

1998-99: Associate Professor at the Lyon Observatory, France. 1980-98: Astronomer at the Sternberg Astronomical Institute,

Moscow University.

1994-96: Associate Professor at Grenoble Observatory, France

(three 4-month stays over 3 years).

1991: Associate Professor at the Nice University, France (6 months).

1988: Mount Stromlo Observatory, Australia (3 months).

Teaching: 1980-99: Lectures on high-resolution observing techniques

and binary stars at the Chair of Astrophysics, Moscow University.

PhD students: M. Smekhov (1994), N. Shatsky (2000), S. Thomas (2003-2005), undegraduate students in 1980-98.

Tutorial on Adaptive Optics at CTIO (2001). REU students (T.Freismus, 2002; R.Barlow, 2004).

Professional Member International Astronomical Union societies: IAU Commission 26: OC member, 1988-93.

IAU Commission 30: OC member (1991-96), Vice-president

(1997-99), President (2000-2003).

IAU WG on Site Testing (since 2006, chair)

Conference 2011: First International Symposium on SOAR Science (SOC) organisation: 2010: Comprehensive charact. of astronomical sites (SOC)

2010: SPIE Conference on Adaptive Optics Systems II (Prog.Cmt)

2005: Multiple stars across the HR diagram (SOC co-chair) 2003: IAU Coll. 191 The environment and evolution of

binary and multiple stars (SOC)

2000: IAU Symp. 200 The formation of binary stars (SOC)

Awards: 2002: AURA Technology and Innovation Award.

1996: Shuvalov award, Moscow University.

Journals: Editorial Board Member of "Astronomy Letters" since 1993.

Referee in AstL, A&A, JOSA, PASP, RMxAA, MNRAS, other.

Review panels: 2010: NSF ATI panel B

2005,2006: NSF site visits to Center of Adaptive Optics

2004: Adaptive Optics Roadmap Panel.

Lectures: 2017: Sao Paulo University, Brazil;

1981-85: Public lectures on Astronomy in various cities and

planetariums of the USSR.