

Dimitar D. Sasselov

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Academic Positions:

- 2006– Director, Harvard Origins of Life Initiative
- 2003– Professor of Astronomy, Harvard University
- 2000–2003 Thomas D. Cabot Associate Professor of Astronomy, Harvard U.
- 1998–2000 Assistant Professor of Astronomy, Harvard University
- 1996–1998 Astrophysicist, Smithsonian Astrophysical Observatory
- 1993–1998 Lecturer, Harvard University
- 1990–1993 Harvard-Smithsonian Center for Astrophysics Postdoctoral Fellow

Education:

- University of Toronto, Canada, Ph.D. 1990, Astronomy
- University of Sofia, Bulgaria, Ph.D. 1988, Physics
- University of Sofia, Bulgaria, M.Sc. 1986, Physics

Awards:

- 2000–2005 Thomas D. Cabot Associate Professorship
- 1999–2001 Alfred P. Sloan Research Fellow
- 1993–1996 Hubble Fellowship

Main fields of research:

Radiative transfer and stellar and planetary interior modeling, physics of stellar and planetary atmospheres, radiative hydrodynamics. Search for extra-solar planets; planet surfaces and interiors models, and atmospheric studies.

Some papers relevant to this proposal: Valencia, D., Sasselov, D., & O’Connell, R. 2007, “Radius and Structure Models of the First Super-Earth Planet”, *Astrophysical Journal*, **656**, 545

Konacki, M., Torres, G., Sasselov, D., & Jha, S. 2005, “A Transiting Extrasolar Giant Planet around the Star OGLE-TR-10”, *Astrophysical Journal*, **624**, 372

Sasselov, D.D. 2003, “The New Transiting Planet OGLE-TR-56b: Orbit and Atmosphere”, **596**, 1327

Konacki, M., Torres, G., Jha, S., & Sasselov, D.D. 2003, “An Extrasolar Planet that Transits the Disk of its Parent Star”, *Nature*, 421, 507

Mochejska, B.J., Stanek, K.Z., Sasselov, D.D. & Szentgyorgyi, A. H. 2002, “Planets in Stellar Clusters Extensive Search. I.”, *AJ*, 123, 3460