

CURRICULUM VITAE

Abraham Loeb

Field of Research: Theoretical Astrophysics and Cosmology

Positions Held

2007– Director of the *Institute for Theory and Computation (ITC)*, Harvard University (<http://www.cfa.harvard.edu/itc/>).

1997– Professor of Astronomy, Harvard University.

1995–1996 Associate Professor, Astronomy Dept., Harvard University.

1993–1995 Assistant Professor, Astronomy Dept., Harvard University.

1988–1993 Long-term member, The Institute for Advanced Study, Princeton.

Honors

2011 Las Cumbres Observatory Prize Lecturer in Astrophysics, UC Santa Barbara

2009/10 Director of the Jerusalem Winter School in Theoretical Physics

2009 Distinguished Visiting Scientist at the Carnegie Observatories, Pasadena

2008 Invited speaker at the annual symposium of the Miller Institute, UC Berkeley

2008 Cover story of Smithsonian magazine about black holes, and cover story of ASTRONOMY magazine about the future collision between the Milky-Way and Andromeda

2007 Inaugural Australian Institute of Physics (AIP) End of Year Lecturer

2007 Paper on *Milkomeda* (arXiv:0705.1170) was selected as one of the top 10 space stories by ASTRONOMY magazine

2007/8 Australia-Harvard Distinguished Fellow

2007 Merle Kingsley Distinguished Visitor at the California Institute of Technology (Caltech)

2006/7 John Bahcall Lecturer at Tel Aviv University University

2006 Salpeter Lecturer at Cornell University

2006 SAAS-Fee Lecturer on “The First Light”. Ten lectures summarized in

a review of 158 pages, appeared in a book format (astro-ph/0603360).

2006 Robert J. Trumpler Award of the *Astronomical Society of the Pacific* for the PhD thesis of Steven Furlanetto

2004- Visiting Professorship at the Faculty of Physics and the Einstein Center for Theoretical Physics, Weizmann Institute of Science

2003 Einstein Minerva fellow, Physics Faculty, Weizmann Institute

2001 Prof. Dror Sadeh Memorial Lecturer at Tel Aviv University

2002 John Simon Guggenheim Memorial Foundation Fellow

1999 Bergmann Memorial Award of the US-Israel Binational Science Foundation

1996 Hoopes Prize for excellence in undergraduate education

1987 The Kennedy Prize, Hebrew University of Jerusalem

1985 “Best M.Sc. Student” award of the Faculty of Science of the Hebrew University of Jerusalem (summa cum laude)

1980 Participant in the national elite project “Talpiyot”, Israel

Graduate Students (in chronological order)

Daniel Eisenstein (Hubble fellow, Professor at Univ. of Arizona, now tenured Professor at Harvard Univ.), Zoltán Haiman (Hubble fellow, Professor at Columbia Univ.), Rosalba Perna (Harvard Junior fellow, Princeton Spitzer fellow, Professor at U. Colorado), Eric Woods (graduated, teaching), Ravi Pilla (graduated), Alexandre Refregier (Sacklay, France), David Heyrovsky (graduated), Xiaohu Wang (graduated), Pinaki Chatterjee (graduated), Steven Furlanetto (prize postdoctoral fellowship at Caltech, Professor at UCLA, received the *Trumpler award* in 2006 for his PhD thesis), Loren Hoffman (Lindheimer postdoctoral fellow, Northwestern, postdoc at Hebrew Univ.), Daniel Babich (prize postdoctoral fellowship, Caltech), Ryan O’Leary (Einstein fellow, UC Berkeley), Joseph Munoz (Postdoc fellow, UCLA), Bence Kocsis (Einstein fellow, ITC), Laura Blecha (Astronomy), Idan Ginsburg (Dartmouth), Eli Visbal (Physics), Genevieve Shattow (UCSB), Nicholas Stone (Astronomy), Douglas Rubin (Physics), Jonathan Bittner (Physics), Gongjie Li (Astronomy).

Personal postdoctoral fellows (in chronological order)

Anne Thoul (Prof. at Univ. of Liege, Belgium), Volker Bromm (Prof. at Univ. of Texas), Stuart Wyithe (Prof. at Univ. of Melbourne), Dan Fabrycky (NSF fellow), Mark Dijkstra (ITC fellow), Jonathan Pritchard (Hubble fellow), Uri Keshet (GLAST fellow), Yuval Birnboim (Rothschild fellow).

Books

1. Loeb, A. “*How Did the First Stars and Galaxies Form?*”, Princeton University Press, Frontiers in Physics Series (2010).
2. Loeb, A., & Furlanetto, S., “*The First Galaxies*”, Princeton University Press, in preparation, extensive graduate level textbook (to appear in Spring 2012).
3. Loeb, A., Ferrara, A., & Ellis, R. S. “*First Light in the Universe*”, SAAS-Fee winter school, Springer, New York (2008).

+355 Papers