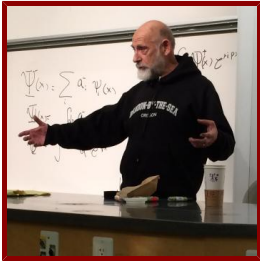


Stanford



Leonard Susskind

Felix Bloch Professor in Physics

Bio

BIO

Leonard Susskind is the Felix Bloch professor of Theoretical physics at Stanford University. His research interests include string theory, quantum field theory, quantum statistical mechanics and quantum cosmology. He is a member of the National Academy of Sciences of the USA, and the American Academy of Arts and Sciences, an associate member of the faculty of Canada's Perimeter Institute for Theoretical Physics, and a distinguished professor of the Korea Institute for Advanced Study.

Susskind is widely regarded as one of the fathers of string theory, having, with Yoichiro Nambu and Holger Bech Nielsen, independently introduced the idea that particles could in fact be states of excitation of a relativistic string. He was the first to introduce the idea of the string theory landscape in 2003.

ACADEMIC APPOINTMENTS

- Professor, Physics

ADMINISTRATIVE APPOINTMENTS

- Director, Stanford Institute for Theoretical Physics, (2009- present)

HONORS AND AWARDS

- J. J. Sakurai Prize for Theoretical Particle Physics, American Physical Society (1998)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, National Academy of Sciences (2000 - present)

PROFESSIONAL EDUCATION

- Ph.D., Cornell University , Physics (1965)
- B.S., City College of New York , Physics (1962)

LINKS

- The Theoretical Minimum lecture series: <http://theoreticalminimum.com>
- Publications on arXiv: <http://arxiv.org/find/all/1/all:+AND+leonard+susskind/0/1/0/all/0/1>
- Publications on INSPIRE: <http://inspirehep.net/search?ln=en&p=leonard+susskind>

Teaching

COURSES

2018-19

- Advanced Theoretical Physics II: Quantum Information Theory, Complexity, Gravity and Black Holes: PHYSICS 451 (Aut)

2017-18

- Advanced Theoretical Physics II: Quantum Information Theory, Complexity, Gravity and Black Holes: PHYSICS 451 (Aut)

2016-17

- Advanced Theoretical Physics II: Quantum Information Theory, Complexity, Gravity and Black Holes: PHYSICS 451 (Win)
- Classical Electrodynamics: PHYSICS 220 (Spr)

2015-16

- Classical Electrodynamics: PHYSICS 220 (Spr)
- Graduate Quantum Mechanics I: PHYSICS 230 (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Edward Mazenc

Postdoctoral Faculty Sponsor

Aitor Lewkowycz Zapirain

Publications

PUBLICATIONS

- **THE WORLD AS A HOLOGRAM** *JOURNAL OF MATHEMATICAL PHYSICS*
Susskind, L.
1995; 36 (11): 6377-6396
- **de Sitter Space as a Resonance** *PHYSICAL REVIEW LETTERS*
Maltz, J., Susskind, L.
2017; 118 (10)
- **Quantum complexity and negative curvature** *PHYSICAL REVIEW D*
Brown, A. R., Susskind, L., Zhao, Y.
2017; 95 (4)
- **Copenhagen vs Everett, Teleportation, and ER=EPR** *FORTSCHRITTE DER PHYSIK-PROGRESS OF PHYSICS*
Susskind, L.
2016; 64 (6-7): 551-564
- **Holographic Complexity Equals Bulk Action?** *PHYSICAL REVIEW LETTERS*
Brown, A. R., Roberts, D. A., Susskind, L., Swingle, B., Zhao, Y.
2016; 116 (19)

5 OF 143