



For Immediate Release
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Time is real, space is an illusion, says prominent physicist ***The Jim Rutt Show with guest Lee Smolin***

"Space is an illusion," says Lee Smolin, co-founder of the **Perimeter Institute for Theoretical Physics**, "but time is really real." Smolin is the author of the new book, *Einstein's Unfinished Revolution*, and the guest for a podcast that takes off like a particle accelerator and doesn't stop until what Smolin calls "The Completion"— the blending of Einstein's relativity theory with quantum mechanics.

Those are just some of the amazing revelations by a world-renowned physicist chasing the biggest breakthrough in modern science: the application of quantum mechanics to Newtonian reality. The [90-minute podcast](#) is a trip through the history of science with an emphasis on particle physics. Guiding the discussion is host **Jim Rutt**, a co-founder of the **Santa Fe Institute** and Smolin's colleague.

In an interview that ranges from the outer edges of the multiverse to the inner particles of an atom, these are some of the topics covered on **The Jim Rutt Show with Lee Smolin**:

- => The Pilot Wave Theory applies to Matter, not just Light
- => The Multiverse + The Many-Worlds of Murray Gell-Mann
- => The Friendship between Albert Einstein and David Bohm
- => Cosmology, Black Holes and *The Life of the Cosmos*
- => Entanglement, Non-Locality and Schrodinger's Cat
- => *Einstein's Unfinished Revolution* and "The Completion"

The Jim Rutt Show is an interview podcast series examining cutting-edge thinking in science and technology and the future of our economic, political and social systems and institutions. Recent guests include journalist and science fiction author, [Cory Doctorow](#); artificial intelligence pioneer, [Dr. Ben Goertzel](#); George Mason University economist, [Robin Hanson](#); and Carnegie Mellon University physicist, [Simon DeDeo](#).

You can find the released podcasts of **The Jim Rutt Show** at [JimRuttShow.com](#) and detailed biographies for committed guests at [jimrutts.com/upcoming-guests/](#). **The Jim Rutt Show** podcast is available on Apple Podcasts, Google Podcasts, Spotify, TuneIn, Stitcher, iHeartRadio, PodcastApp, via [RSS](#), or directly from [JimRuttShow.com](#). The website has a complete collection of podcasts, including show transcripts, episode highlights, guest biographies, and links.

About Lee Smolin

Lee Smolin is a theoretical physicist who has been since 2001 a founding and senior faculty member at [Perimeter Institute for Theoretical Physics](#). His main contributions have been so far to the quantum theory of gravity, to which he has been a co-inventor and major contributor to two major directions, loop quantum gravity and deformed special relativity.

Lee also contributes to cosmology, through his proposal of cosmological natural selection — a falsifiable mechanism to explain the choice of the laws of physics. He has also contributed to quantum field theory, the foundations of quantum mechanics, theoretical biology, and the philosophy of science and economics. He is the author of more than 150 scientific papers and numerous essays and writings on science.

Lee also has written four books which explore philosophical issues raised by contemporary physics and cosmology. These are: *Life of the Cosmos* (1997), *Three Roads to Quantum Gravity* (2001), *The Trouble with Physics* (2006), and *Time Reborn* (2013). Most recently, he coauthored *The Singular Universe and The Reality of Time* with Roberto Mangabeira Unger.

About Jim Rutt

The host of ***The Jim Rutt Show*** is Jim Rutt, former CEO of Network Solutions. *The New York Times* referred to him as "[the Internet's bad boy](#)" due to his reputation for creative mischief. Jim is the past Chairman of the Santa Fe Institute, where he continues as a Research Fellow studying conscious cognition and evolutionary artificial intelligence.

Jim is a co-founder of the Staunton Makerspace, a membership maker shop and hacker space, and a member of the Board of Advisers of the Fralin Life Sciences Institute at Virginia Tech. Jim received his B.S. degree in management from the Massachusetts Institute of Technology in 1975 and is a member of MIT's Visiting Committee for the Department of Brain & Cognitive Sciences. He was Executive Producer of the awarding-winning film [Zombiewood](#).

Suggested Tweets:

Space is an illusion, but time is real. Einstein's Unfinished Revolution on The Jim Rutt Show with @Perimeter Institute physicist Lee Smolin. #physics #science #JimRuttShow #quantum #relativity #completion

Hugh Everett, the #multiverse, and the #many-worlds of Murray Gell-Mann. The Jim Rutt Show with @Perimeter Institute physicist Lee Smolin. #physics #science

#cosmology #JimRuttShow #quantum #DavidDeutsch #JimHartel

Albert Einstein + David Bohm + Freeman Dyson = The Jim Rutt Show with @Perimeter Institute physicist Lee Smolin. #physics #science #pilotwave #JimRuttShow #quantum #relativity

"Noise is the enemy of entanglement." @Perimeter Institute physicist Lee Smolin on The Jim Rutt Show. #entanglement #non-locality #physics #science #JimRuttShow #quantum #relativity

General Relativity + Quantum Mechanics? "Both revolutions will culminate simultaneously." @Perimeter Institute physicist Lee Smolin on The Jim Rutt Show. #completion #physics #science #JimRuttShow #quantum #relativity