

Gabriele Varieschi

Chair and Professor of Physics at Loyola Marymount University

Los Angeles, CA, US

Seaver College of Science and Engineering

Biography

Contact: Phone: 310.338.7632 Email: Gabriele.Varieschi@lmu.edu Office: Seaver Hall 110 Dr. Gabriele Varieschi was born in Milan, Italy, the land of Galileo, Volta, Fermi and many other famous scientists. He studied physics at the University of Milan, graduating with a thesis in Applied Superconductivity at the INFN - LASA laboratory. After finishing his undergraduate education, he worked as a physics and math instructor at a local Jesuit High School, the "Istituto Leone XIII", before moving to southern California in 1994. As a graduate student, he studied at the Physics and Astronomy Department, UCLA, receiving his M.S. in 1996, and his Ph.D. in Physics in 2000. His field of research was theoretical Astro-Particle Physics, the interface field between Particle Physics and Astrophysics, with a focus on Cosmic Rays and Neutrinos. After completing his graduate studies, he joined the Physics Department at Loyola Marymount University, where he combines his research interests in Gravitational Physics with a strong commitment to undergraduate teaching. In 2020, Dr. Varieschi introduced an alternative model of gravity ? Newtonian Fractional Dimension Gravity (NFDG) ? which is able to model galaxies without using the controversial Dark Matter. For more details, please see the NFDG webpage at: <http://gvarieschi.lmu.build/NFDG2020.html> In his free time, Dr. Varieschi enjoys spending time with his family, planning winter ski trips and summer visits to his native country. He also likes to play classical guitar and renaissance lute music. For more information about Dr. Varieschi?s research and teaching interests, please visit his personal website: <http://gvarieschi.lmu.build/> For an updated list of Dr. Varieschi?s publications (in collaboration also with LMU students), please see the links below.

Industry Expertise

Research, Education/Learning, Training and Development

Areas of Expertise

General Relativity and Cosmology, Gravitational Physics, Physics and Astronomy , Particle Physics and Astrophysics, Alternative Theories of Gravity

Education

University of California, Los Angeles

Ph.D. Physics

University of California, Los Angeles

M.S. Physics

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