

Short bio of Luc Bergé:

Luc Bergé graduated in mathematics and physics from the Universities of Toulouse and Orsay, Paris-Sud (Paris-Saclay), France. In 1989, he received his PhD in theoretical physics, devoted to the strong Langmuir turbulence in laser-driven fusion plasmas. In 1990, he was employed as research scientist at CEA (French Commission for Atomic Energy and Alternative Energies). His research activities focused on the filamentation of ultrashort laser pulses in transparent media and related properties such as pulse self-compression, which he pioneered in the early 2000. He led the laboratory of radiation-matter interaction at CEA-DIF until 2023. Director of Research at CELIA laboratory, he is exploring new ways to produce energetic THz waves through relativistic laser-plasma interactions. Involved in innovative detection methods, Luc Bergé also coordinated the French ANR project ALTESSE devoted to the ultrabroadband terahertz spectroscopy of molecules.

Luc Bergé's research activities have been expressed in 165 articles, six book chapters and 200 conferences (120 invited). He is Optica (formerly OSA), EPS (European Physical Society), EOS and APS Fellow. He received the DGA-Young Researcher Prize in 1997, the second Bull-Fourier Prize in 2012 and the 2018 Gentner Kastler Prize jointly attributed by the German and French Physical Societies. Luc Bergé served as Chair of the Quantum Electronics and Optics Division of the EPS until 2017. Elected a member of the Executive Committee of the EPS, he was in charge of its Associate Membership policy and of the Equal Opportunities Committee. Between 2021 and 2024, he has been the President of the European Physical Society.