

Prof. Jianxin Lu

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Positions held & Education

May 2002 -- present	Professor, USTC
Sept. 1999 -- May 2002	Senior Research Fellow, University of Michigan
Sept. 1997 -- Aug. 1998	Research Associate, Texas A&M University
Sept. 1994 -- Aug. 1997	Visiting Assistant Professor/Research Associate, Texas A&M University
Jul. 1992 -- Aug. 1994	Postdoctor, CERN
Sept. 1988 -- Aug. 1992	Ph.D, Texas A&M University (Supervisor: Michael J. Duff)

Areas of research

Grand unified theory, Gravity and supergravity, String/M-theory.

Research achievements

Prof. Lu's research interest lies in string/M-theory and the related topics. He made a significant contribution to the non-perturbative string/M-theory during the so-called second string theory revolution. He was one of first few people to discover the non-perturbative brane objects in string theory and revealed the connection between string and branes which had before been thought otherwise. This finding indicates that string theory is not merely strings and the branes so discovered have to be included into consideration, giving now the so-called M-theory, a candidate for the unified theory of all interactions of nature. He has published more than 70 research papers with over 3500 total citations. Among these, the invited 'string soliton' review article published in Physics Report with Duff and Khuri (mostly based on the authors' own work) is now cited more than 700 times and the other research paper more than 500 times with the additional five papers each cited more than 100 times.

Recent research interests

M-brane dynamics and possible dualities, symmetries of M-theory, open string pair production and its enhancement, Matrix Theory.

[Link for publications](#)