Abstract Submitted
for APS March Meeting 2018
Monday–Friday, March 5–9, 2018; Los Angeles, California

Neutrosophic Methods in General Relativity DMITRI RABOUNSKI, FLORENTIN SMARANDACHE, LARISSA BORISSOVA | Riemannian differentiable manifold in terms of Smarandache Geometry (Smarandache manifolds), by which new classes of relativistic particles and non-quantum teleportation are developed. Fundamental features of Neutrosophic Logic are its denial of the Law of Excluded Middle, and open (or estimated) levels of truth, falsity and indeterminancy. Both Neutrosophic Logic and Smarandache Geometry were proposed some years ago by F. Smarandache. The application of these purely mathematical theories to General Relativity reveals hitherto unknown possibilities for Einstein's theory. The issue of how closely the new theoretical possibilities account for physical phenomena, and indeed the viability of the concept of a four-dimensional space-time continuum itself as a fundamental model of Nature, must of course be explored by experiment.

Presenter:
Dmitri Rabounski
(Independent Researcher)

Authors:
Dmitri Rabounski
(Independent Researcher)

Florentin Smarandache
(University of New Mexico)

Larissa Borissova
(Independent Researcher)