Contribution ID: **637** Type: **Plenary talk**

50 years of testing relativistic gravity with pulsars

Tuesday, 9 July 2024 10:00 (30 minutes)

This year marks the anniversary of the discovery of the Hulse-Taylor pulsar, which ushered in a a new era in the study of relativistic gravity. This Nobel Prize-winning discovery not only provided evidence for the existence of gravitational waves, but also led to the development of new methods and new studies of phenomena under strong field conditions. These included effects such as light propagation and gravitational redshift, as well as precession of orbits and spins. This talk will give a brief update on the current state of the field, highlighting the unique precision of these strong field field tests and their range of applications.

Primary author: KRAMER, Michael (Max-Planck-Institut fuer Radioastronomie)

Presenter: KRAMER, Michael (Max-Planck-Institut fuer Radioastronomie)

Session Classification: Tuesday plenary session