



INVITATION

to the public lecture given by

Prof. Sheila Rowan

(Institute for Gravitational Research, University of Glasgow, UK)

»Gravitational waves: A new astronomy«

The lecture will take place on Wednesday, **14 September 2016 at 8PM**
at Cankarjev dom in Ljubljana.

Ripples in the curvature of space-time - 'gravitational waves' - are produced by some of the most energetic and dramatic phenomena in our universe, including black holes, neutron stars and supernovae. Close to 100 years after the prediction of the existence of gravitational waves, the advanced detectors of the Laser Interferometer Gravitational-wave Observatory (LIGO) detected such signals for the first time, starting a new era in astronomy. This talk will explain the nature of gravitational waves, describe what sources out in the Universe can produce them, explain how they are detected and what the future of this new era in astronomy might look (and sound) like.

The lecture will be in English language.

The public lecture will be held as a part of the IAU Symposium 324: "New Frontiers in Black Hole Astrophysics", which is organized by the University of Nova Gorica from 12 to 16 September.

It is necessary to reserve free-of-charge tickets at: blackholes2016@ung.si
The number of tickets is limited.