

## **Session Program**

**24-28 Sept 2017**



# **The 4th Conference of the Polish Society on Relativity**

## ***Plenary Session 4***

Kazimierz Dolny, Poland  
Dom Pracy Twórczej SDP ul. Małachowskiego 17 24-120 Kazimierz Dolny

# Tuesday 26 September

11:00

## Plenary Session 4

**Session** |

**Location:** Kazimierz Dolny, Poland, Dom Pracy Twórczej SDP ul. Małachowskiego 17 24-120 Kazimierz Dolny

11:00–11:20

### Axial gravitational waves in FLRW cosmology and memory effect

**Speaker**

Edward Malec

11:20–11:40

### Gravitational waves in Friedman-Lemaitre-Robertson-Walker cosmology, material perturbations and the Huygens principle

**Speaker**

Wojciech Kulczycki

11:40–12:00

### Properties of null one-way solution of Maxwell equations with separated variables in Kerr space-time

**Speakers**

Yurii Taistra, Volodymyr Pelykh

12:00–12:20

### Gravitational entropy and the cosmological “no-hair” conjecture

**Speaker**

Krzysztof Bolejko

12:20–12:40

### TT tensors in flat spaces of any dimension

**Speaker**

Jacek Tafel

12:40–13:00

### Towards a theory of nonlinear gravitational waves: a systematic approach to nonlinear gravitational perturbations in vacuum

**Speaker**

Andrzej Rostworowski

13:00