

## **Session Program**

**18-22 Jun 2018**



# **PACTS 2018: Particle, Astroparticle and Cosmology Tallinn Symposium**

## ***Higher derivatives Gravity and Ghosts***

Estonian Academy of Sciences, Conference Hall  
Kohtu 6, Tallinn, Estonia

# Friday 22 June

08:30

## Higher derivatives Gravity and Ghosts: Part 1

**Session** | **Location:** Estonian Academy of Sciences, Conference Hall, Kohtu 6, Tallinn, Estonia

09:00–09:25

### The Case against Ghosts in Fundamental Theory

**Speaker**

Prof. Richard Woodard

09:25–09:50

### From fakeons and Lee-Wick models to quantum gravity

**Speaker**

Prof. Damiano Anselmi

09:50–10:15

### Classical and quantum dynamics of higher-derivative systems

**Speaker**

Prof. Andrei Smilga

10:15

10:40

## Higher derivatives Gravity and Ghosts: Part 2

**Session** | **Location:** Estonian Academy of Sciences, Conference Hall, Kohtu 6, Tallinn, Estonia

10:40–11:05

### Recent progress in fighting ghosts in quantum gravity

**Speaker**

Prof. Ilya Shapiro

11:05–11:30

### Quadratic Gravity

**Speaker**

Dr Salvio Alberto

11:30