

**Programme on
“Quantum Physics and Gravity”**

May 29 – July 6, 2017

organized by

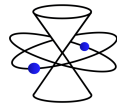
Markus Aspelmeyer (U Vienna), Caslav Brukner (U Vienna), Domenico Giulini (ZARM Bremen, U Hannover), Daniel Grumiller (TU Vienna), Soo-Jong Rey (Seoul National U)


**Mini-Workshop on
“Noncommutative Geometry and Gravity”**

organized by

John Barrett (Nottingham U) and Harold Steinacker (U Vienna)

June 8 – 9, 2017



 **cost** Action MP 1405
Quantum Structure of Spacetime



- **Thursday, June 8, 2017** *“noncommutative geometry & symmetries“*
 - 09:00 – 09:50 **Andrzej Sitarz**
Gravity and cosmological models on (almost) noncommutative spaces
 - 10:00 – 10:50 **Salvatore Minegmi**
Generalized Snyder spaces and scalar fields
 - 11:00 – 11:30 *coffee / tea break*
 - 11:30 – 12:20 **Jerzy Kowalski-Glikman**
Quantum symmetries of flat quantum spacetime
 - 12:30 – 14:30 *lunch break*
 - 14:30 – 15:20 **Catharina Meusburger**
Title
 - 15:30 – 15:45 *break*
 - 15:45 – 16:35 **Angel Ballesteros**
From quantum groups to noncommutative spacetimes with cosmological constant
 - 16:45 – ... *discussion*

• **Friday, June 9, 2017** ”emergent space(time) & gravity“

09:00 – 09:50 **Bergfinnur Durhuus**

Random graphs and discretised gravity

10:00 – 10:50 **John Barrett**

Title

11:00 – 11:30 *coffee / tea break*

11:30 – 12:20 **Lisa Glaser**

Non-commutative geometry on the computer

12:30 – 14:30 *lunch break*

14:30 – 15:20 **Harold Steinacker**

Higher-spin theory and gravity from fuzzy 4-spheres

15:30 – 15:45 *break*

15:45 – 16:35 **Maja Buric**

Fuzzy de Sitter space

16:45 – ... *discussion*

All talks take place at the ESI, Boltzmann Lecture Hall!
This Mini-Workshop is supported by COST.