

**Programme on**  
**“Higher Structures in String Theory and Quantum Field Theory”**

**November 16 - December 18, 2015**

**organized by**

**Harald Grosse (U Vienna), Danny Stevenson (U Adelaide), Richard J. Szabo (Heriot-Watt U)**

**Workshop III**

**Mini Workshop on KK-theory, twists and applications**

**December 14 – 16, 2015**

• **Monday, December 14, 2015**

09:30 – 10:00 **Registration**

10:00 – 11:00 **Jens Kaa**

*Morita equivalences of spectral triples*

11:00 – 11:30 *coffee / tea break*

11:30 – 12:30 **Alan Carey**

*Spectral flow in the skew adjoint Fredholm operators on a real Hilbert space*

• **Tuesday, December 15, 2015**

10:00 – 11:00 **Jonathan Rosenberg**

*T-duality and the Baum-Connes conjecture*

11:00 – 11:30 *coffee / tea break*

11:30 – 12:30 **Bram Mesland**

*The noncommutative geometry of Bianchi groups*

12:30 – 14:00 *lunch break*

14:00 – 15:00 **Mahmoud Zeinalian**

*Poisson geometry of moduli stack of twists*

• **Wednesday, December 16, 2015**

10:00 – 11:00 **Paolo Aschieri**

*Deformation quantization of Noncommutative Principal Bundles*

11:00 – 11:30 *coffee / tea break*

11:30 – 12:30 **Hisham Sati**

*TBA*

**All talks take place at the ESI, Boltzmann Lecture Hall!**