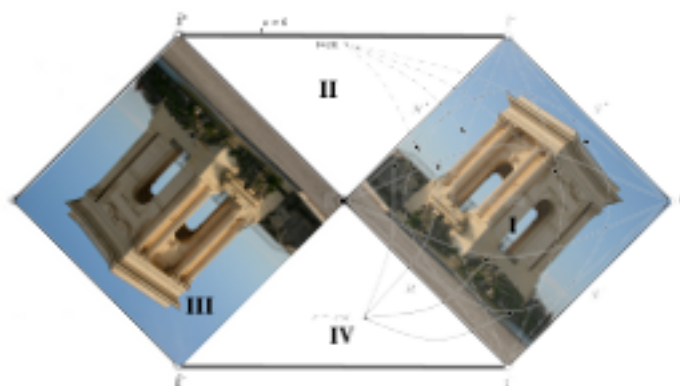


**Ecole  
Thématique  
Aspects  
Géométriques de la  
Relativité  
Générale  
Thematic  
School  
Geometric Aspects of  
General Relativity**



**Monday, September 28, 2015 - Thursday, October 1, 2015**

**University of Montpellier (France)**

## **Scientific program and aims**

The goal of the Geometric aspects of General Relativity school is to introduce a broad audience of mathematicians and especially young researchers to a selection of currently very active fields of research.

It will be centered on themes of high current interest in mathematical relativity, with a strong emphasis on the differential geometric side of the theory. Ph. D students are especially invited to attend.

Three mini-courses of approx. 4 hours will be given. They will be accessible to anyone having a classical knowledge of Riemannian geometry:

Piotr. T. Chrusciel (University of Vienna, Austria) : *Introduction to the mathematical theory of black holes*

Michael Eichmair (University of Vienna, Austria) : *Horizons in General Relativity : geometric problems* (tentative title)

Mu-Tao Wang (Columbia University, NY, USA) : *On the notion of quasilocal mass in General Relativity*

In addition, a few 40-minute long talks will be organized.