

## Geometrical aspects of deformation quantization

---

**Pierre Bieliavsky\***

*Université Catholique de Louvain*

*E-mail:* [pierre.bieliavsky@gmail.com](mailto:pierre.bieliavsky@gmail.com)

This talk will be an introduction to deformation quantization based on geometrical considerations. I will show how the notion of  $*$ -product emerges from a formula for the multiplication of matrices. I will then give a definition of deformation quantization in the context of Poisson manifolds and conclude by general results about this notion. The talk is meant to a general audience.

*Frontiers of Fundamental Physics 14 - FFP14,  
15-18 July 2014  
Aix Marseille University (AMU) Saint-Charles Campus, Marseille*

---

\*Speaker.