



## EINLADUNG ZUM KOLLOQUIUM

**Dr. Vincenzo De Risi**

(MPI Berlin)

**Mathematizing Space.**

**The object of geometry from figures to space**

The talk explores the transformations of the object of geometry from Antiquity to the Early Modern Age. During the centuries, geometry changed from a science of magnitudes and figures (triangles, circles, spheres, conic sections) to a science dealing with space itself as a structure. The birth of geometry as a science of space marked the most important divide between ancient and modern geometry, and resulted from several different lines of influence. We discuss some of these threads: the philosophical development of the concept of space, the Neoplatonic metaphysics of matter, some developments in optics and the theory of perspective, Leibniz' analysis situs, the first researches on non-Euclidean geometries. In the end, we also discuss some spatial features of classical geometry, and deal with the full acceptance of geometry as a science of space at the beginning of the nineteenth century.

**Dr. Vincenzo De Risi** is Research Director at the Max Planck Institute for the History of Science

**Mittwoch, 16.04.2014**  
**16 c.t. Uhr**  
**Raum S.10.15**

Volker Remmert  
Gregor Schiemann

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