

Workshop organized in the framework of the Max Planck International Research Network History of Scientific Objects by the Max Planck Institute for the History of Science in cooperation with the Innovationszentrum Wissenschaft TU-Berlin.



Innovationszentrum  
Wissenschaft

## CHALLENGING OBJECTS

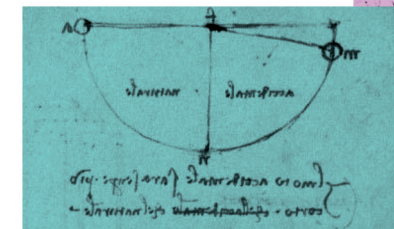
Workshop  
January 21 - 23, 2010

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Left: Drawing of a pendulum in a manuscript by Leonardo da Vinci  
Right: Drawing of a pendulum in a manuscript by Heinrich Schickhardt



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## Thursday, January 21, 2010

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10:00 – 13:00 The challenging objects of early modern mechanics I

**Jochen Büttner**  
The challenging objects of early modern mechanics

**Marcus Popplow**  
Sized-down models of machines as challenging objects for early modern mechanics

**Matthias Schemmel**  
The projectile trajectory as a challenging object: the case of Thomas Harriot

13:00 – 14:00 Lunch Break

14:00 – 17:00 The challenging objects of early modern mechanics II

**Domenico Bertoloni Meli**  
Challenging objects from 17th- to 18th-century mechanics

**Maarten Van Dyck**  
When is an object one object? Huygens' contested use/invention of Torricelli's principle

**Pascal Briost**  
Leonardo from the antiperistasis theory to the world of experiments: challenging Aristotle with a cannon...and an aquarium

**Gerhard Rammer**  
Water wheels as an example of challenging objects

18:00 Dinner

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## Friday, January 22, 2010

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10:00 – 13:00 Challenging objects outside mechanics

**Staffan Müller-Wille**  
Constant hybrids and other oxymorons

**Wilhelm Osthues**  
Human perception as a 'challenging object' for ancient Greek architects (and philosophers)

**Antoni Becchi**  
Made flesh. Mechanical skeletons for architectural bodies

13:00 – 14:00 Lunch Break

14:00 – 17:00 The epistemology of challenging objects

**Koen Vermeir**  
Challenging "challenging objects"

**Gerd Graßhoff**  
"Challenging objects" - epistemological reflections about a spurious entity

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## Saturday, January 23, 2010

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11:00 – 13:00 Challenging objects

Joint discussion