



Bezirksverein  
Berlin-Brandenburg



**Praktiken und Potenziale von Bautechnikgeschichte**  
**Vorträge im Deutschen Technikmuseum, Berlin 2016**

**Können. Wissen. Wissenschaft.**  
**Bautechnik im 18. Jahrhundert**

Donnerstag, 29. September 2016, 17 Uhr 30

**Theory and practice in eighteenth century building Rome. The restoration of St. Peter's dome between knowledge and experience**

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From the start of the Vatican Basilica reconstruction (1506) until the Papal State downfall (1870), the “Fabbrica” of St. Peter has been one of the most authoritative model of building practice in modern era. This also thanks to the work of *Nicola Zabaglia*, a very clever “master scaffolder”, able to execute ordinary and extraordinary maintenance works. *Zabaglia's* contribute in building and restoration practice was celebrated by the book entitled “*Castelli e Ponti di maestro Nicola Zabaglia*”, published in 1743. The work of *Zabaglia* represents a basic milestone for the development of Roman building technology, as proved by his being deeply involved in the works for hooping of the St. Peter's dome between 1743 and 1744. Results of scientific assessments on the problem of the cupola's stability can be found enclosed to “*Memorie storiche della Gran Cupola del Tempio Vaticano*”, written by *Giovanni Poleni* and published in Padova in 1748. This paper aims to highlight the working procedures, phases, technologies and organisational models adopted for the restoration works of the Dome, and the different approaches of *Zabaglia* and *Poleni* to resolve the St. Peter's dome's problems between “ability, knowledge and science”.

Veranstaltungsort: Deutsches Technikmuseum, Trebbiner Straße 9, 10963 Berlin, Vortragssaal im 4. Stock  
Verkehrsverbindungen: U-Bahnhof Gleisdreieck, U-Bahnhof Möckernbrücke

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Arbeitskreis Bautechnik – Dipl.-Ing. Andreas Götze

**Deutsches Technikmuseum, Berlin**

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