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## Deutsche Forschungsgemeinschaft Leibniz Lectures



Invitation

Prof. Günter M. Ziegler

### **Sugar cubes, soap bubbles, a revolution and a star: Some stellar images between Mathematics and Physics**

## About the lecture:

Let us take a closer look at some amazing images by Leonardo, Dürer, Rembrandt and Escher. The closer look, of course, will lead us to ask questions, to discover mistakes, but it also connects to important research on the ever-changing interface between Mathematics and Physics. The research links these images with key questions of Mathematical Physics:

How many (and how few) degrees of freedom could there be in a polyhedron? How can we describe the spherical shapes on soap bubbles? At the end, we will not only ask: How much Mathematics and Physics is there in the drawings and paintings of Leonardo, Dürer, Rembrandt and Escher? But also: How much Physics is there in the Image of Mathematics?

Prof. Günter M. Ziegler

Professor of Mathematics at Freie Universität Berlin  
Head of the "Discrete Geometry" group

## **Sugar cubes, soap bubbles, a revolution and a star: Some stellar images between Mathematics and Physics**

**27 March 2014, 6.00 pm**

St. Petersburg Department of the V.A.Steklov Institute of Mathematics of the Russian Academy of Sciences  
Marble Hall, 27, Fontanka, 191023 Saint Petersburg

The lecture will be followed by a reception of Freie Universität Berlin