

## **'tHooft Gerard**

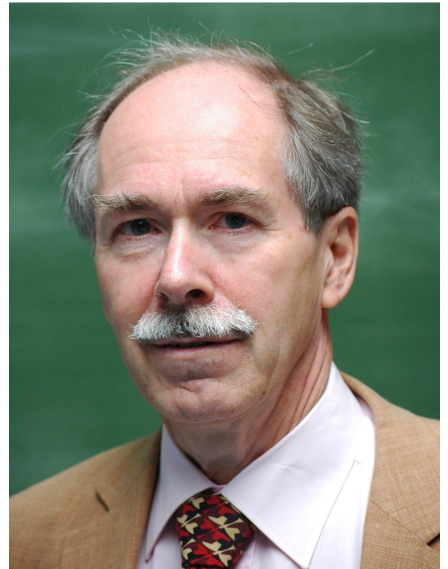
Position: Professor in Theoretical Physics at Utrecht University

### **I Scientific Work**

Gauge theories in elementary particle physics

Quantum gravity and black holes

Fundamental aspects of quantum physics



### **2009 List of Publications**

The fundamental nature of space and time, in *Approaches to Quantum Gravity, Toward a New Understanding of Space, Time and Matter*, D. Oriti Ed., Cambridge Univ. Press 2009, ISBN 978-0-521-86045-1 (pbk), pp. 13-25.

Entangled quantum states in a local deterministic theory, 2nd Vienna Symposium on the Foundations of Modern Physics (June 2009), ITP-UU-09/77, SPIN-09/30; arXiv:0908.3408

Quantum Gravity without Space-time Singularities or Horizons, Erice School of Subnuclear Physics 2009, to be publ.; arXiv:0909.3426