

Minisymposium Quantum approaches to computing

13:30 Opening remarks

13:40 **Stefanie Barz (University of Stuttgart):**
Quantum computing: Concepts and recent developments

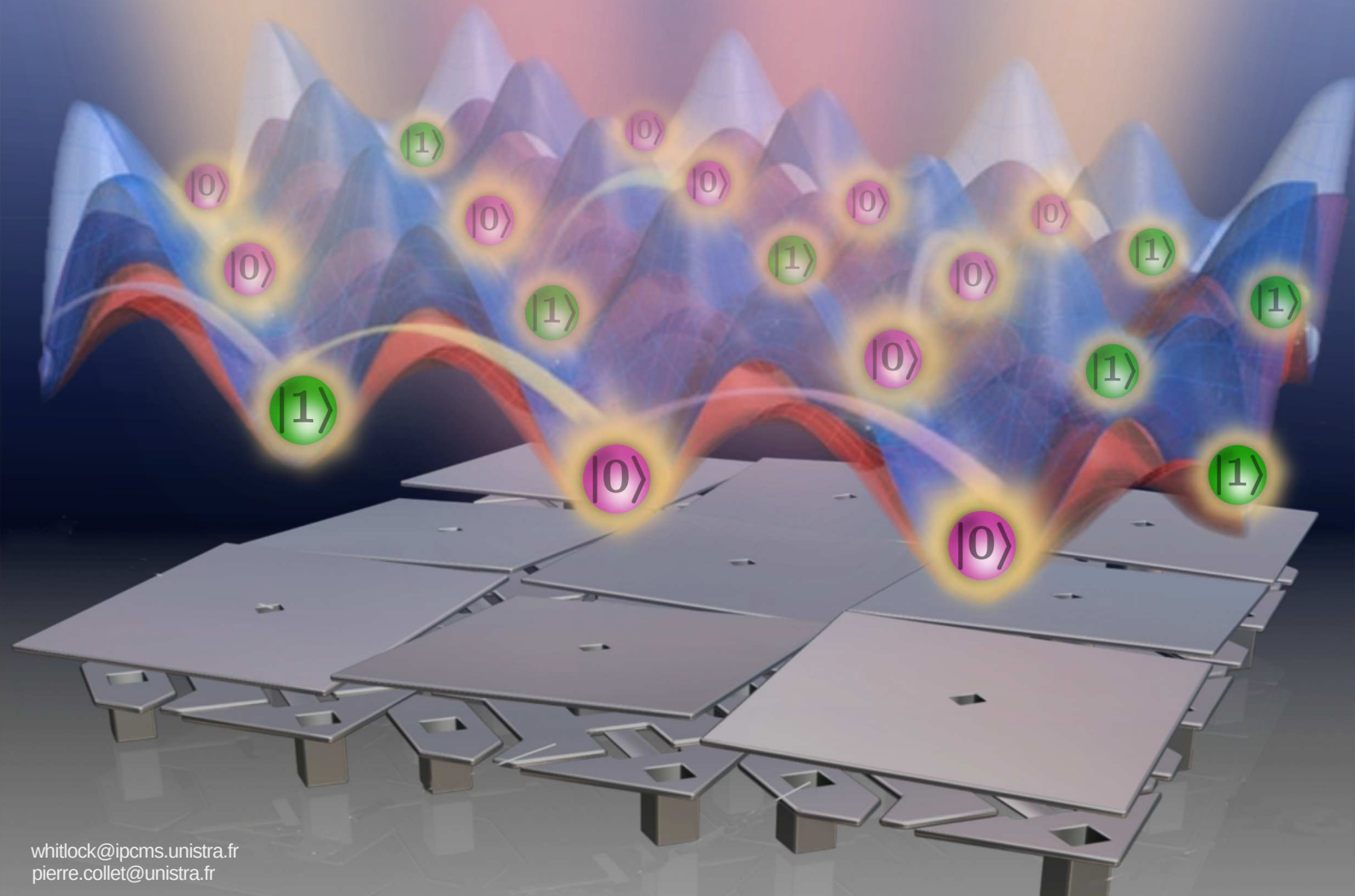
14:30 **Pierre Collet (ICUBE, CS-DC UNESCO UniTwin, University of Strasbourg):**
Entanglement as an emergent complex system

15:10 Coffee break

15:30 **Shannon Whitlock (IPCMS, University of Strasbourg & CNRS):**
From quantum simulation to quantum computing, with ultracold atoms

16:00 **Tobias Wintermantel (IPCMS & University of Heidelberg):**
Variational quantum state engineering and hybrid quantum-classical computing

16:30 - General discussions & brainstorming session



whitlock@ipcms.unistra.fr
pierre.collet@unistra.fr