

Propositions accompanying the thesis

## Colloidal Architectures

### Atom-like Assembly of Patchy Particles

by

Petrus Johannes Maria Swinkels

1. The production of (patchy) colloids via classic bottom-up synthetic methods is generally preferable to top-down methods.
2. For directed colloidal assembly, the critical Casimir effect offers the ideal mix between tunability and simplicity in experiments.
3. To combine simulations and experiments on patchy particle systems effectively, kinetic effects must be taken into account.
4. An hour spent in the lab can save a day in the library (and vice versa).
5. Viruses are a form of life.
6. Translation of scientific jargon in Dutch (and other small languages) is important for effective scientific communication.
7. Oral debate is a deeply flawed method of discussing science, although it is the best we have available.
8. Despite its literary merit, the main theme of 'Lord of the Flies' is thoroughly unrealistic; humans are remarkably well at self-organizing, even at young age.
9. Sweep rowing is satisfying, but ultimately a waste of time in anything but an eight.