MCM 2016-17

Program for mini symposium, January 18, 2017

9:00	Introduction by Sanli Faez
9:05	- Band structure (S), **Meike Bos** and **Marjolein de Jager** - Fermi energy (W), **Younes Yandouzi** - Density of phonon modes (S), **Arnold Kole** and **Wouter Meering** - Rigid band model (W), **Marnix Vreugdenhil** - Wave diffusion (S), **Kevin Namink**
9:30	Break
9:40	- Superconducting hover-train (D), **Vincent van Wessel, Sebastiaan van Rijk,** and **Tom Konings** - Triatomic harmonic chain (S), **Lennard van Buren** - Electronic heat capacity (W), **Wen-Sie Kong** - Graphene (W), **Kyra Orbons** - Fermi level in 2d (S), **Mette Dybdahl Mortensen**
10:10	Break
10:20	- Coupled harmonic oscillators (D), **Sylvianne Roscam Abbing** and **Sarah Kok** - Shock freeze (W), **Damon Peperkamp** - Soft optical phonons (S), **Tim Koreman** and **Ruud Nimour** - Antiferromagnetism (W), **Evie Roebroek**

S: Simulation, D: Demonstration, W: Wikipedia article

Structure of the presentation:

- For Wikipedia articles:
    - Scientific summary of the article (2 minutes)
    - Connection to the MCM course
    - What was present before editing?
    - Which parts have been added?

- For Simulations and Demonstrations:
    - Which topic is demonstrated?
    - Connection to the MCM course.
    - How to operate the demonstration or simulation program?