

## PROGRAMMA

### WETENSCHAPPELIJKE FOM-DAGEN STATISTISCHE FYSICA

20 en 21 januari 2005

*in CongresHotel De Werelt te Lunteren*

#### Donderdag 20 januari 2005

10.00 - 10.30 uur		<b>Inschrijving, koffie, ophangen posters</b>
10.30 - 10.40 uur		<u>B. Nienhuis (UvA)</u> <i>Welkomstwoord en opening</i>
10.40 - 11.15 uur	P1	<u>P. van der Schoot (TU/e)</u> <i>Tactoids large and small</i>
11.20 - 11.40 uur	P2	<u>W. Kager (UvA)</u> <i>The excursions of a particle in a random environment</i>
11.45 - 12.05 uur	P3	<u>J. van Wezel (LEI)</u> <i>Does spontaneous symmetry breaking limit quantum coherence?</i>
12.10 - 13.00 uur		Posterpresentaties
13.00 - 14.00 uur		<b>Lunch</b>
14.00 - 14.45 uur		Posterpresentaties
14.45 - 17.00 uur		Postersessie
17.00 - 17.35 uur	P4	<u>M.A. van der Hoef (UT)</u> <i>Numerical Study of the drag force in gas-solid systems, with application to gas- and vibro-fluidized beds</i>
17.40 - 18.00 uur	P5	<u>D. Dickerscheid (UU)</u> <i>Feshbach resonances in an optical lattice</i>
18.05 - 18.25 uur	P6	<u>J. Bueno (LEI)</u> <i>Growth and melting of <math>^3\text{He}</math> crystals: Influence of magnetic field</i>
18.30 - 20.00 uur		<b>Diner</b>
20.00 - 21.00 uur	P7	<u>H. Schiessel (LEI)</u> <i>The screws and gears of DNA: From sliding nucleosomes to self-propelling DNA motors</i>

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- |                          |     |   |
|--------------------------|-----|---|
| 09.00 - 09.35 uur        | P8  | <u>P.R. ten Wolde (AMOLF)</u><br><i>Modelling gene regulatory networks at large length and time scales</i>                      |
| 09.40 - 10.00 uur        | P9  | <u>C. Storm (LEI)</u><br><i>Fission in multiphase membrane tubes</i>  |
| 10.05 - 10.25 uur        | P10 | <u>V.W.A. de Villeneuve (UU)</u><br><i>Crystallization of hard spherical colloids near large spherical seeds</i>                |
| <b>10.30 - 11.00 uur</b> |     | <b>Koffie</b>   |
| 11.00 - 11.20 uur        | P11 | <u>C. Witteman-Tesauro (TUD)</u><br><i>Polymers in drag reducing flows: interaction with turbulence</i>                         |
| 11.25 - 11.45 uur        | P12 | <u>E. Somfai (LEI)</u><br><i>Jamming and vibrational spectrum of granular packings</i>  |
| 11.50 - 12.10 uur        | P13 | <u>R. Pool (UvA)</u><br><i>Nucleation or fission? The free energy and kinetics of micelle formation</i>                         |
| 12.15 - 12.35 uur        | P14 | <u>P.G. Eshuis (UT)</u><br><i>The granular Leidenfrost effect: density inversion in vibrofluidized granular matter</i>          |
| <b>12.40 - 13.40 uur</b> |     | <b>Lunch</b>  |
| 13.40 - 14.00 uur        | P15 | <u>A. Cacciuto (AMOLF)</u><br><i>Breakdown of classical nucleation theory near isostructural phase transition</i>               |
| 14.05 - 14.25 uur        | P16 | <u>J.L.A. Dubbeldam (TU/e)</u><br><i>Dynamics of living polymers</i>  |
| 14.30 - 14.50 uur        | P17 | <u>R. van Roij (UU)</u><br><i>Sedimentation of charged colloids: a competition between entropy, gravity, and electrostatics</i> |
| 14.55 - 15.15 uur        | P18 | <u>C.C. Tanase (UU)</u><br><i>Mean field approach and self-organization in mixtures of filaments and motor proteins</i>         |
| 15.20 - 15.30 uur        |     | <u>B. Nienhuis (UvA)</u><br><i>Sluiting</i>   |
| <b>15.30 uur</b>         |     | <b>Thee</b>   |