

FOM-Decemberdagen 2005

- voorlopig programma focussessies -

dinsdag 13 december 2005

Focussessie: Granular matter Zaal: Titel:	Focussessie: Quantum matter Zaal: Titel:
11.15 - 11.45 E. Clément (ESPCI/Paris) <i>Erosion waves: solitary propagation, transverse instabilities and fingering</i>	11.15 - 11.40 G.R. Blake (RuG) <i>Magnetic oxygen ions in the design of novel spintronic materials</i>
11.50 - 12.05 M. Depken (LEI) <i>A continuum theory for dense, slow, and smooth granular flows</i>	11.45 - 12.10 J.-S. Caux (UvA) <i>Computing the dynamics of quantum spin chains</i>
12.10 - 12.25 D. Bonn (ENS Paris / UvA) <i>Quicksand and quick clay</i>	12.15 - 12.40 A. de Visser (UvA) <i>The quantum Hall effect as laboratory system to study quantum phase transitions</i>
12.30 - 12.45 S. Ostojic (UvA) <i>Scale invariance and universality of force networks in static granular matter</i>	12.45 - 13.10 J. van Wezel (LEI) <i>An intrinsic limit to quantum coherence due to spontaneous symmetry breaking</i>
12.50 - 13.05 P. Eshuis, UT <i>Granular Leidenfrost effect</i>	

FOM-Decemberdagen 2005

- voorlopig programma focussessies -

dinsdag 13 december 2005

Focussessie: Spintronics Zaal: Titel:	Focussessie: Quantum entanglement Zaal: Titel:
11.15 - 11.40 W. van Roy (IMEC, Leuven) <i>Spin injection into non-magnetic semiconductors: electrical aspects</i>	11.15 - 11.40 M. Blaauboer (TUD) <i>Quantum entanglement in solid-state nanostructures</i>
11.45 - 12.10 W. Wetzels (TUD) <i>Non-collinear single-electron spin-valve transistors</i>	11.45 - 12.10 P.C. de Groot (TUD) <i>Spectroscopy on two coupled flux-qubits</i>
12.15 - 12.40 C.A.C. Bosco (TU/e) <i>Spatio-temporal imaging of spin dynamics in Spin-LED</i>	12.15 - 12.40 K.M.R. van der Stam (UU) <i>Atom entanglement by Kapitza-Dirac superradiance</i>
12.45 - 13.10 F.H.L. Koppens (TUD) <i>Control and detection of singlet-triplet mixing in a random nuclear field</i>	12.45 - 13.10 B. Trauzettel (LEI) <i>Optimal quantum entanglement pump</i>

FOM-Decemberdagen 2005

- voorlopig programma focussessies -

woensdag 14 december 2005

Focussessie: Plasmonics Zaal: Titel:	Focussessie: Statistical biophysics Zaal: Titel:
13.40 - 14.15 F.J. García de Abajo (Centro Mixto CSIC-UPV/EHU, San Sebastián, Spanje) <i>titel nog niet bekend</i>	13.40 - 14.10 J. Käs (University of Leipzig) <i>Feeling and influencing active intracellular polymer networks with light</i>
14.20 - 14.55 M.P. van Exter (LEI) <i>Surface plasmon propagation and Bragg scattering on metal hole arrays</i>	14.15 - 14.30 C. Storm (LEI) <i>Nonlinear elasticity in biological gels</i>
15.00 - 15.15 M. Sandtke (AMOLF) <i>Surface plasmon polariton wave packets visualized in space and time</i>	14.35 - 14.50 G.H. Koenderink (Harvard) <i>Structure and mechanics of active cytoskeletal protein networks</i>
15.20 - 15.35 J.J. Penninkhof (AMOLF) <i>Angle-dependent optical extinction of anisotropic Au-shell colloids</i>	14.55 - 15.10 U.F. Keyser (TUD) <i>Direct force measurements on DNA in a solid-state nanopore</i>
	15.15 - 15.30 P.R. ten Wolde (AMOLF) <i>Interacting genes as the central processing units of life</i>

FOM-Decemberdagen 2005

- voorlopig programma focussessies -

woensdag 14 december 2005

Focussessie: Quantum gases Zaal: Titel:	Focussessie: Physics for energy Zaal: Titel:
13.40 - 14.05 J.T.M. Walraven (UvA) <i>titel nog niet bekend</i>	13.40 - 14.05 P.T. Alderliesten (ECN) <i>titel nog niet bekend</i>
14.10 - 14.35 W. Vassen (VUA) <i>titel nog niet bekend</i>	14.10 - 14.35 M. Pasturel (VU) <i>New materials for optical fibre hydrogen sensors</i>
14.40 - 15.05 P. van der Straten (UU) <i>titel nog niet bekend</i>	14.40 - 15.05 F.M. Mulder (TUD) <i>Impact of nanostructuring energy storage materials</i>
15.10 - 15.35 H.T.C. Stoof (UU) <i>titel nog niet bekend</i>	15.10 - 15.35 L.H. Slooff-Hoek (ECN) <i>Spectrum conversion for application in photovoltaic energy conversion</i>