

MONDAY, MARCH 12, 2012



WORKSHOPS 'A, B, C & D' - 14.00 - 17.00 hrs

WORKSHOP A. CHEMISTRY

LECTURE ROOM: 'EUROPA' - CHAIRMAN: D. WILSON (RU)

14.00-14.20	<i>Polymeric liquid crystal networks with complex hierarchical structures</i> L.T. de Haan, C. Sanchez Somolinos, A.P.H.J. Schenning and D.J. Broer (TU/e)
14.20-14.40	<i>Inclusion complexes between amylose and polytetrahydrofurans</i> R. Rachmawati, A.J.J. Woortman and K. Loos (RuG)
14.40-15.00	<i>Fluorescent organic nanoparticles for sensing and imaging</i> I. Fischer, A.P.H.J. Schenning and D.J. Broer (TU/e)
15.00-15.20	<i>Exploring mechanochemically activated catalysis: a new way of carrying out chemical reactions</i> R. Groote, R.T.M. Jakobs, A. Balan and R.P. Sijbesma (TU/e)
15.20-15.40	TEA BREAK
15.40-16.00	<i>Aligned multi-chromophoric perylene dyes in liquid crystals host: applications</i> A.M. Kendhale, P.P.C. Verbunt, M.G. Debije and A.P.H.J. Schenning (TU/e)
16.00-16.20	<i>Effect of chain transfer agents in anhydride/epoxide ring-opening copolymerization</i> E. Hosseini Nejad, R. Duchateau and C.E. Koning (TU/e)
16.20-16.40	<i>Two-dimensional pH-responsive printable smectic hydrogels</i> I. Shishmanova, A.P.H.J. Schenning, C.W.M. Bastiaansen and D.J. Broer (TU/e)
16.40-17.00	<i>Novel catalysts for ethylene oligomerisation and polymerisation</i> S. Vadake Kulangara, R. Duchateau and S. Gambarotta (TU/e)

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WORKSHOP B. BIOMEDICAL

LECTURE ROOM: 'AFRIKA' - CHAIRMAN: Y. SHI (UU)

14.00-14.20	<i>A combinatorial approach to the high throughput synthesis of photocrosslinked biodegradable networks</i> E. Zant, M.J. Bosman and D.W. Grijpma (UT)
14.20-14.40	<i>Biomedical polyurethanes based on natural amino acid with covalently grafted GRGDG peptide</i> J. Yin and J.A. Loontjens (RuG)
14.40-15.00	<i>Polymersomes - promising nano-carriers in nuclear medicine</i> G. Wang, L. Thijssen, D. Schaart, D. de Vries, A. Denkova and E. Mendes (TUD)
15.00-15.20	<i>Permeability effects in polymersomes as artificial organelles</i> I.M. Louzao and J.C.M. van Hest (RU)
15.20-15.40	TEA BREAK
15.40-16.00	<i>Intracellularly triggered gene delivery system based on neutral polymer nanogels</i> L.F.L. Novo, C.F. van Nostrum and W.E. Hennink (UU)
16.00-16.20	<i>ATRP on diacetylene containing peptide amphiphile fibres and liposomes</i> B.E.I. Ramakers, M. van den Heuvel, N. Tsihli i Spithas, R.P. Brinkhuis, J.C.M. van Hest and D.W.P.M. Löwik (RU)
16.20-16.40	<i>Nanoparticles based on poly(lactic-co-hydroxymethyl glycolic acid): mechanistic studies on degradation and release of a model protein (BSA)</i> N.S. Samadi, C.F. van Nostrum, T. Vermonden, M. Amidi and W.E. Hennink (UU)
16.40-17.00	<i>Hyperbranched biomedical coatings with anti-adhesive and anti-bacterial activity</i> L.A.T.W. Asri, M. Crismaru, O. Ivashenko, P. Rudolf, H.C. van der Mei, H.J. Busscher and J.A. Loontjens (RuG)

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WORKSHOP C. PHYSICS & THEORY

LECTURE ROOM: 'AMERIKA' - CHAIRMAN: L. BEUN (WUR)

14.00-14.20	<i>'Zwitterrific swellipsometry': The anti-polyelectrolyte effect of zwitterionic thin polymer films by in-situ spectroscopic ellipsometry</i> J. de Groot, W. Ogieglo, M. Girones, N. Benes and K. Nijmeijer (UT)
14.20-14.40	<i>Controlling liquid droplet morphologies on structured polymer surfaces</i> R.J. Vrancken, C.W.M. Bastiaansen, G. de With and D.J. Broer (TU/e)
14.40-15.00	<i>Double-gyroid morphology in supramolecular diblock copolymer complexes PS-b-P4VP(PDP)</i> I. Vukovic, T. Voortman, P. Hiekkataipale, J. Ruokolainen, D. Hermida Merino, W. Bras, G. ten Brinke and K. Loos (RuG)
15.00-15.20	<i>Properties of the interface between oxidized polystyrene and water</i> S.A. Muntean and A.V. Lyulin (TU/e)
15.20-15.40	TEA BREAK
15.40-16.00	<i>Poly(ferrocenylsilane) based redox responsive microgel particles obtained by microfluidics</i> X. Sui, L. Shui, J. Cui, J. Song, A. van den Berg, M.A. Hempenius and G.J. Vancso (UT)
16.00-16.20	<i>Structure and dynamics of sheared polymer films: simulational approach</i> D. Hudzinsky and A.V. Lyulin (TU/e)
16.20-16.40	<i>Conformational changes in the structure of a charged model virus coat protein in the presence of DNA</i> S. Naderi and P.P.A.M. van der Schoot (TU/e)
16.40-17.00	<i>Superimposed effects of nano-scale confinement and penetrant on behavior of ultra-thin glassy polymer membranes</i> W. Ogieglo, M. Wessling and N. Benes (UT)

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WORKSHOP D. TECHNOLOGY

LECTURE ROOM: 'AZIE' - CHAIRMAN: M. HEGDE (TUD)

14.00-14.20	<i>Selective polarization sensitive liquid crystalline materials for nanostructuring</i> M.P. Van, D.J. Broer and C.W.M. Bastiaansen (TU/e)
14.20-14.40	<i>Nanoscale imaging of heterogenous polymers by scanning near-field ellipsometry microscopy</i> A. Cumurcu, P. Schön and G.J. Vancso (UT)
14.40-15.00	<i>Stratification as a novel method of large area thin film transistor fabrication</i> N. Dadivanyan, C.W.M. Bastiaansen and D.J. Broer (TU/e)
15.00-15.20	<i>The role of materials composition in the construction of viscoelastic maters curves: silica-filler network effects</i> S. Maghami, W.K. Dierkes, T.V. Tolpekina, S.M. Schultz and J.W.M. Noordermeer (UT)
15.20-15.40	TEA BREAK
15.40-16.00	<i>Polymer inclusions in biomimetic calcite: from the crystal level to the atomic scale</i> H. Friedrich, J.P. Bastos, Z. Deng, G.J.M. Habraken, N. Lousberg, D.A.M. de Winter, J.A. Post, G. de With and N.A.J.M. Sommerdijk (TU/e)
16.00-16.20	<i>Kinetics of amylose-LPC inclusion complexation in diluted wheat starch suspensions</i> S. Ahmadi-Abhari & A.J.J. Woortman (RuG), R.J. Hamer (WUR) and K. Loos (RuG)
16.20-16.40	<i>Charge transport in high-performance ink-jet printed single-droplet transistors based on a small molecule/insulating polymer blend</i> X. Li, W. Smaal, P. Graat, C. Kjellander, B. van der Putten, E. Smits, J. Anthony, C.W.M. Bastiaansen, D.J. Broer, P. Blom, J. Genoe and G. Gelinck (TU/e & Holst Centre)
16.40-17.00	<i>Pathway for high-quality rubber reclaim by thermal treatment of sulfur-vulcanized SBR</i> S. Saiwari, W.K. Dierkes and J.W.M. Noordermeer (UT)

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WORKSHOPS 'I, II, III & IV' - 14.20 - 16.00 hrs

WORKSHOP I. CHEMISTRY

LECTURE ROOM: 'EUROPA' - CHAIRMAN: G.C. SANDERS (TU/e)

14.20-14.40	<i>Preparation and self-assembly of poly(vinylidene fluoride) containing block copolymers</i> V.S.D. Voet, G. ten Brinke and K. Loos (RuG)
14.40-15.00	<i>Mini emulsion polymerization using very hydrophobic monomer: new insights into mass transfer mechanisms</i> T.G.T. Jansen, A.M. van Herk, J. Meuldijk and P.A. Lovell (TU/e)
15.00-15.20	<i>Supramolecular double-comb diblock copolymer: synthesis and self-assembly</i> M. Faber, A. Hofman, G. ten Brinke and K. Loos (RuG)
15.20-15.40	<i>Copolymers of 4-methyl-1-pentene: synthesis, characterization and unusual crystallization behavior</i> C. Descour, T. Meijer-Vissers, M. Parkinson, T. Macko, D. Cavallo, M. van Drongelen, H. Goossens and R. Duchateau (TU/e)
15.40-16.00	<i>Synthesis of branched polysaccharides with tunable degree of branching</i> J. Ciric and K. Loos (RuG)

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WORKSHOP II. BIOMEDICAL

LECTURE ROOM: 'AFRIKA' - CHAIRMAN: M.S.L. TIJINK (UT)

14.20-14.40	<i>Controlling cellular adhesion using different polymer brushes grown from polycaprolactone substrates</i> M. Klein Gunnewiek, A. Di Luca, X. Sui, E.M. Benetti, C.A. van Blitterswijk, L. Moroni and G.J. Vancso (UT)
14.40-15.00	<i>Monte Carlo simulations of collagen fibrils</i> H.E. Amuasi and C. Storm (TU/e)
15.00-15.20	<i>Macromolecule templated assembly of virus-capsid proteins</i> M. Brasch, J. Galindo Millan, X. de Peuter, I.J. Minten, R.J.M. Nolte, M.S.T. Koay and J.J.L.M. Cornelissen (UT)
15.20-15.40	<i>Switching transport through nanopores with pH-responsive polymer brushes</i> G.W. de Groot, M.G. Santonicola and G.J. Vancso (UT)
15.40-16.00	<i>Protein cages as reactors for polymer formation</i> A.M. van der Ham, R. Oskam and J.J.L.M. Cornelissen (UT)

WORKSHOP III. PHYSICS & THEORY

LECTURE ROOM: 'AMERIKA' - CHAIRMAN: S.P. KERSTEN (TU/e)

14.20-14.40	<i>Dynamics of confined polymer films</i> C. Batistakis, A.V. Lyulin and M.A.J. Michels (TU/e)
14.40-15.00	<i>Computer simulations of self-assembly in complex block copolymers</i> V. Markov and G. ten Brinke (RuG)
15.00-15.20	<i>Modeling normal stresses in stiff polymer networks</i> A.R. Cioroianu and C. Storm (TU/e)
15.20-15.40	<i>Equilibrium structure of living polymers between two surfaces: effect on colloidal interactions</i> A.V. Korobko and N.A.M. Besseling (TUD)
15.40-16.00	<i>Scaling theory for percolative charge transport in disordered molecular semiconductors</i> P.A. Bobbert, J. Cottaar, L.J.A. Koster and R. Coehoorn (TU/e)

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WORKSHOP IV. TECHNOLOGY

LECTURE ROOM: 'AZIE' - CHAIRMAN: A.C. IJZER (UT)

14.20-14.40	<i>Biofouling and nanomechanical properties of polymer brushes by colloid AFM probe</i> E. Kutnyanszky, P. Schön, G. Santonicola and G.J. Vancso (UT)
14.40-15.00	<i>Viscoelastic properties of short aramid fibres reinforced rubbers</i> M. Shirazi, A. Tloma and J.W.M. Noordermeer (UT)
15.00-15.20	<i>Soft responsive gels under magnetic field</i> H. An (TUD)
15.20-15.40	<i>The influence of mixing temperature on silica-reinforced natural rubber</i> S.S. Sarkawi, W.K. Dierkes and J.W.M. Noordermeer (UT)
15.40-16.00	<i>Reduction of surface losses from luminescent solar concentrators: A theoretical and experimental comparison</i> P.P.C. Verbunt and M.G. Debije (TU/e)