



# **DUTCH** POLYMER DAYS - 17

March 13 - 14, 2017

Lunteren

**PROGRAMME**

**KNCV**

# DUTCH POLYMER DAYS - 17

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**MONDAY, MARCH 13, 2017**

- 09.30 - 10.15 **Registration & Coffee**
- 10.15 - 10.20 **Opening by the Chairman:** Prof.dr. Albert Schenning (TU/e)
- 10.20 - 11.00 **Invited Lecture**  
**The magic is in the morphology:**  
**From bio-inspired acrylic adhesives to 3D printing polyimides**  
Prof. Timothy E. Long (Virginia Tech, Blacksburg - USA)
- 11.00 - 11.20 **Supramolecular polymers from a different angle -**  
**The characteristics and limits of single-chain polymer folding**  
G.M. ter Huurne, L.N.J. de Windt, Y. Liu, I.K. Voets, A.R.A. Palmans  
and E.W. Meijer (TU/e)
- 11.20 - 11.40 **Gold loaded virus like particles:**  
**Towards multifunctional hybrid nanomaterials**  
A. Liu, L. Yang, C.H.-H. Traulsen and J.L.M. Cornelissen (UT)
- 11.40 - 12.00 **Oligo(dimethylsiloxane) liquid crystals for sub-5 nm nanopatterning**  
K. Nickmans and A.P.H.J. Schenning (TU/e)
- 12.00 - 12.20 **Polymer-templated chemical solution deposition of ordered**  
**multiferroic nanocomposites**  
J. Xu, J. Varghese, J.A. Heuver, J. Momand, B.J. Kooi, G. Portale,  
B. Noheda and K. Loos (RuG)
- 12.30 - 14.00 **Lunch**  
**Meeting 'Werkgroep leiders Macromoleculen'**
- 14.00 - 17.00 **WORKSHOP A, B, C & D** (15.20 - 15.40 Tea Break)
- 17.15 - 18.15 **PTN Medema Lecture Award Winner 2017**  
**Nanostructured functional materials via atom transfer**  
**radical polymerization**  
Prof.dr. Kris Matyjaszewski (Carnegie Mellon Univ. Pittsburgh - USA)
- 18.15 - 20.00 **Dinner**
- 20.00 - 22.30 **POSTER SESSION and WINE & CHEESE (EUROPE HALL)**

## TUESDAY, MARCH 14, 2017

- 08.00 - 09.00 **Breakfast & Check out hotel rooms 'De Werelt'**
- 09.00 - 09.20 **Cell nucleation in polymer nanocellular foaming:  
New insights from the perspective of highly curved nanointerfaces**  
S. Liu, A. Pandey, R. Eijkelenkamp, J. Duvigneau, J. Snoeijer  
and G.J. Vancso (UT)
- 09.20 - 09.40 **Contact line pinning due to solute deposition in evaporating droplets  
on photoresist films: A simple model for watermarks**  
T.W.G. van der Heijden, P. van der Schoot, J.D.R. Harting  
and A.A. Darhuber (TU/e)
- 09.40 - 10.00 **The development of a self-healing polyetherimide and its underlying  
healing principle**  
A. Susa, S.J. Garcia and S. van der Zwaag (TUD)
- 10.00 - 10.20 **A critical note on the use of ISO 9080: Application to propylenes**  
H.J.M. Caelers, L.E. Govaert and G.W.M. Peters (TU/e)
- 10.20 - 10.40 **Coffee Break**
- 10.40 - 11.00 **Mechanics of ultrasensitive hybrid hydrogels**  
P. de Almeida, A.E. Rowan and P.H.J. Kouwer (RUN)
- 11.00 - 11.20 **Block copolymer self-assembly roadmap: Predict, synthesize, characterize**  
A. Ianiro, J.P. Patterson, Á. González García, M.M.J. van Rijt,  
M.M.R.M. Hendrix, N.A.J.M. Sommerdijk, I.K. Voets,  
A.C. de Carvalho Esteves and R. Tuinier (TU/e)
- 11.20 - 11.40 **Poly(trimethylene carbonate)/graphene composite-based nerve guide  
conduit for peripheral nerve repair**  
Z. Guo, D.W. Grijpma and A.A. Poot (UT)
- 11.40 - 12.00 **Strain stiffening in self-assembled hydrogels**  
M. Fernandez-Castano and R.P. Sijbesma (TU/e)
- 12.00 - 12.20 **Winner of the 'Challa Polymer Price 2017'**  
**Block copolymers based on poly(vinylidene fluoride)**  
Dr. Vincent Voet (RuG / Stenden Applied University - NL)
- 12.30 - 13.30 **Lunch**
- 13.30 - 15.10 **WORKSHOP I, II & III** (15.10 - 15.30 Tea Break)
- 15.30 - 16.10 **Invited Lecture**  
**Challenges and issues of fluoropolymers**  
Dr. Bruno Ameduri (Inst. Charles Gerhardt, Montpellier - F)
- 16.10 - 16.25 **CEREMONIES & CLOSURE: Prof.dr. Katja Loos (RuG)**  
Awards of the Best: Plenary & Workshop Lectures & Posters DPD-2017



**DUTCH** POLYMER DAYS - 17

**WORKSHOPS**

**A, B, C & D**

**-**

**I, II & III**

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MONDAY, MARCH 13, 2017

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

## WORKSHOP A. CHEMISTRY

LECTURE ROOM: 'EUROPA' - CHAIRMAN: Mr. G.M. ter Huurne (TU/e)

14.00 - 14.20	Novel isocyanate-free, chain-extended polyurethane dispersions containing alternative internal dispersing agents S. Ma, R.J. Sablong, B.A.J. Noordover, R.A.T.M. van Benthem and C.E. Koning (TU/e)
14.20 - 14.40	Polyacrylonitrile in aqueous solutions: Synthesis by RAFT and templating of nanocarbons M. Kopec, J. Zhang, P. Kryszewski, R. Yuan (UT) and K. Matyjaszewski (CMU)
14.40 - 15.00	Synthesis and properties of siloxane-based multi-block copolymers with all-aromatic rigid units H. Xu and J. Bijleveld (TUD)
15.00 - 15.20	Synthesis and self-assembly of PVDF based block copolymers I. Terzic, N.L. Meereboer and K. Loos (RuG)
15.20 - 15.40	<b>TEA BREAK</b>
15.40 - 16.00	Enzymatic feedback-induced temporal "breathing" microgel with self-regulated fluorescence H. Che and J.C.M. van Hest (TU/e)
16.00 - 16.20	Enzymatic synthesis and polymerization of glucosyl-vinyl monomers A. Adharis, D. Vesper, T. Ketelaar, D. Petrovic, A.J.J. Woortman and K. Loos (RuG)
16.20 - 16.40	Crosslinker-induced effects on the gelation pathway of a low molecular weight hydrogel W.E.M. Noteborn, D. N.H. Zwagerman, V. Saez Talens, C. Maity, L. van der Mee, J.M. Poolman, S. Mytnyk, J.H. van Esch, A. Kros, R. Eelkema and R.E. Kieltyka (UL)
16.40 - 17.00	Size-controlled nanogels for drug delivery and imaging M.R. Elzes, A.C.A Doensen, M.J.G. Schotman and J.M.J. Paulusse (UT)

## WORKSHOP B. BIOMEDICAL

LECTURE ROOM: 'AFRIKA' - CHAIRMAN: Mr. Z. Guo (UT)

14.00 - 14.20	Design and characterization of antibiotic-loaded nanoparticulate systems based on aliphatic polyesters J.A.S. Ritsema, K. Vernstad, S.E. Borgos, R.B. Schmid, Y. te Welscher, G. Storm and C.F. van Nostrum (UU)
14.20 - 14.40	Influence of PEG-spacer length on peptide mediated targeted fusion of liposomes G.A. Daudey, H.R. Zope, J. Voskuhl and A. Kros (UL)
14.40 - 15.00	Elastin-like peptides for nanomedicine J. Pille (RUN) and J.C.M. van Hest (TU/e)
15.00 - 15.20	Core crosslinked flower-like micelles by native chemical ligation for drug delivery M. Najafi, N. Kordalivand, J. van den Dikkenberg, M.T. Hembury, R. Fokkink, W. E. Hennink and T. Vermonden (UU)
15.20 - 15.40	<b>TEA BREAK</b>
15.40 - 16.00	$\pi$ - $\pi$ stacked polymeric micelles to target hydrophobic drugs for the treatment of cancer A. Varela Moreira, V. Ecker, M. Buchner, M.H.A.M. Fens, W.E. Hennink and R.M. Schiffelers (UU)

## WORKSHOP C. PHYSICS & THEORY

LECTURE ROOM: 'AMERIKA' - CHAIRMAN: Mr. T.W.G. van der Heijden (TU/e)

14.00 - 14.20	Effect of particle-size dynamics on properties of dense spongy-particle systems: Approach towards equilibrium M.E.A. Zakhari, P.D. Anderson and M. Hütter (TU/e)
14.20 - 14.40	Specific ion response of polyelectrolyte brushes depends on polymer and anion hydrophilicity J.D. Willott, T.J. Murdoch, W.M. de Vos, A. Nelson, S.W. Prescott, G.B. Webber and E.J. Wanless (UT)
14.40 - 15.00	Molecular dynamics of long-chain polymeric systems in the glassy state: Does it lead anywhere? G. Vogiatzis, L.C.A. van Breemen, M. Hütter (TU/e) and D.N. Theodorou (NTU Athens)
15.00 - 15.20	The Curie transition in P(VDF-TrFE) based block copolymers N.L. Meereboer, I. Terzic, H.H. Mellema and K. Loos (RuG)
15.20 - 15.40	<b>TEA BREAK</b>
15.40 - 16.00	Simple and predictive model for polyelectrolyte micelle formation Á. González García and R. Tuinier (TU/e)
16.00 - 16.20	Pulling angle-dependent single polymer chain adhesion L. Grebikova, H. Gojzewski, B.D. Kieviet, M. Klein Gunnewiek and G.J. Vancso (UT)
16.20 - 16.40	Phase behavior of mixtures of hard spheres and equilibrium supramolecular polymer chains V.F.D. Peters and R. Tuinier (TU/e)
16.40 - 17.00	Percolation theory for nanocomposites: Effects of polydispersity and external fields S.P. Finner and P. van der Schoot (TU/e)

## WORKSHOP D. TECHNOLOGY

LECTURE ROOM: 'AZIE' - CHAIRMAN: Ms. A. Susa (TUD)

14.00 - 14.20	Improving transparency of ultra-drawn melt-crystallized linear polyethylenes L. Shen, C.W.M. Bastiaansen (TU/e) and J. Severn (DSM)
14.20 - 14.40	Understanding the main governing factors on properties of short-cut aramid fiber reinforced elastomers N. Vleugels, W.K. Dierkes, A. Blume, L.A.E.M. Reuvekamp and J.W.M. Noordermeer (UT)
14.40 - 15.00	PA6: Processing conditions versus mechanical properties E. Parodi, L.E. Govaert and G.W.M. Peters (TU/e)
15.00 - 15.20	Challenges of C2C loops in modern tire technology J.W. van Hoek, W.K. Dierkes, G. Heideman, J.W.M. Noordermeer, A. Blume and M. Topp (UT)
15.20 - 15.40	<b>TEA BREAK</b>
15.40 - 16.00	Poly(butylene terephthalate)/glycerol-based vitrimers via solid-state polymerization Y. Zhou, R.P. Sijbesma, J.P.A. Heuts (TU/e) and J.G.P. Goossens (SABIC)
16.00 - 16.20	Small scale screening of novel bio-based polyesters G.J. Noordzij, C.H.R.M. Wilsens and S. Rastogi (UM)
16.20 - 16.40	Biocatalysis in high-value bio-plastic production from lignin derived biomass C. Fodor, A.J.J. Woortman, J. van Dijken and K. Loos (RuG)
16.40 - 17.00	Arborescent polymer-stabilized Pd nanocatalysts O. Nguon, V. Karanassios and M. Gauthier (UT)



TUESDAY, MARCH 14, 2017

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**WORKSHOPS 'I, II & III' - 13.30 - 15.10 hrs**

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**WORKSHOP I. CHEMISTRY**

**LECTURE ROOM: 'EUROPA' - CHAIRMAN: Mr. K. Nickmans (TU/e)**

13.30 - 13.50	Temperature responsive reflective polymer coatings A.J.J. Kragt, D.J. Broer and A.P.H.J. Schenning (TU/e)
13.50 - 14.10	Preparation of single-chain polymer nanoparticles via Thiol-Michael addition A.P.P. Kröger, R.J.E.A. Boonen and J.M.J. Paulusse (UT)
14.10 - 14.30	Modulation of hydrogen-bond strength in a squaramide-based supramolecular polymer V. Saez Talens, R.E.D. Rudge, P. Englebienne, T.T. Trinh, I.K. Voets and R. Kieltyka (UL)
14.30 - 14.50	Enzymatic synthesis of furan 2,5-dicarboxylic acid based heteroatom polyamides D. Maniar, K.F. Hohmann, Y. Jiang, A.J.J. Woortman and K. Loos (RuG)
14.50 - 15.10	Synthesis of bimodal polyethylenes S.S.D. Lafleur, C.W.M. Bastiaansen (TU/e) and J. Severn (DSM)

## WORKSHOP II. POLYMER PROPERTIES

LECTURE ROOM: 'AFRIKA' - CHAIRMAN: Ms. P. de Almeida (RUN)

13.30 - 13.50	Hydrophilic polycarbonate/mPEG polyurethane networks: Anti-fouling and self-replenishing coatings for marine applications I. Jimenez-Pardo, L.G.J. van der Ven, R.A.T.M. van Benthem, A.C. de Carvalho Esteves and G. de With (TU/e)
13.50 - 14.10	Liquid crystal based dynamic surface topography M. Hendrikx and D.J. Broer (TU/e)
14.10 - 14.30	pH stable nanofiltration membranes made by interfacial polymerization M.G. Elshof, K.P. Lee, A.J.B. Kemperman and N.E. Benes (UT)
14.30 - 14.50	Photonic polymers as battery-free optical sensors M. Moirangthem, C.W.M. Bastiaansen and A.P.H.J. Schenning (TU/e)

## WORKSHOP III. TECHNOLOGY

LECTURE ROOM: 'AZIE' - CHAIRMAN: Ms. J. Xu (RuG)

13.30 - 13.50	Assessing the aging kinetics of glassy polystyrene by nanoindentation K. Grigoriadi, M. Hütter, L.C.A. van Breemen and P.D. Anderson (TU/e)
13.50 - 14.10	Friction behavior of thin hydrophilic polyurethane coatings in aqueous environment P.T.M. Albers, A.C. de Carvalho Esteves, R.A.T.M. van Benthem, L.G.J. van der Ven and G. de With (TU/e)
14.10 - 14.30	Long-term performance of short-fibre reinforced thermoplastics L.V. Pastukhov and L.E. Govaert (TU/e)
14.30 - 14.50	How to predict dry tire skid resistance using a Laboratory Abrasion Tester (LAT100) M. Salehi, L.A.E.M. Reuvekamp, W.K. Dierkes and A. Blume (UT)
14.50 - 15.10	Modeling contact mechanics of anisotropic polymers using FEM approach T.G.M. Kershah, L.C.A. van Breemen and P.D. Anderson (TU/e)



# **DUTCH** POLYMER **DAYS - 17**

## **LIST of POSTERS**

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MONDAY, MARCH 13, 2017



## POSTER SESSION

LECTURE ROOM: 'EUROPA' - 20.00 - 22.30 hrs

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### POSTERS CHEMISTRY

(in ALPHABETICAL ORDER, no co-authors listed)

- |     |                  |  |
|-----|------------------|--|
| C1  | Adharis, A.      | Enzymatic synthesis and polymerization of glucosyl-vinyl monomers (RuG)                            |
| C2  | Bresseleers, J.  | The large scale production of small mPEG-p(HPMA-Bz) polymeric micelles (TU/e)                      |
| C3  | Cetintas, M.     | PS-b-PNIPAM block copolymers for thermo-responsive membrane applications (WUR)                     |
| C4  | Daal, T.L.J. van | Mechanoluminescence: New luminescent probes with higher functionality (TU/e)                       |
| C5  | Delgove, M.A.F.  | Increasing the solubility range of polyesters by tuning their microstructure with co-monomers (UM) |
| C6  | Driest, P.J.     | Network formation in polyisocyanurates (Covestro)  |
| C7  | Duvigneau, J.    | PDEng at Twente University: Academic bridge from master's to industry (UT)                         |
| C8  | Egorova, E.A.    | Peptide amphiphiles: Effect of composition on self-assembly behavior (UL)                          |
| C9  | Filippov, A.D.   | Block copolymers for complex coacervate-based underwater adhesives (WUR)                           |
| C10 | Fodor, C.        | Enzymatic synthesis of biobased polyesters from lignin biomass (RuG)                               |
| C11 | Golkaram, M.     | Supramolecular brush block copolymer (RuG)   |
| C12 | Hees, I.A. van   | The synthesis of PNIPAM-b-PDMAEMA-b-PNIPAM using difunctional RAFT-agents (WUR)                    |
| C13 | Keller, S.       | Adaptive, supramolecular nanomotors (RUN)  |
| C14 | Kragt, A.J.J.    | Temperature responsive reflective polymer coatings (TU/e)  |
| C15 | Li, B.           | Mechanochemistry: Towards new mechanisms, catalysts and switches (TU/e)                            |
| C16 | Liang, T.        | Supramolecular polymer membranes for anhydrous proton conduction (TU/e)                            |

## POSTERS CHEMISTRY (continued)

(in ALPHABETICAL ORDER, no co-authors listed)

- C17 Liu, A. Gold loaded virus like particles: Towards multifunctional hybrid nanomaterials (UT)
- C18 Liu, Y. Thermoresponsive semi-IPN hydrogel microfibers from continuous fluidic processing with high elasticity and fast actuation (UT)
- C20 Ma, S. Novel isocyanate-free, chain-extended polyurethane dispersions containing alternative internal dispersing agents (TU/e)
- C21 Maassen, E.E.L. Reversible networks for UV curable materials (TU/e)
- C22 Maassen, S.J. Exploring the lower limits of viral capsid assembly around oligonucleotides (UT)
- C23 Maniar, D. Enzymatic synthesis of furan 2,5-dicarboxylic acid based heteroatom polyamides (RuG)
- C24 Mihajlovic, M. High-toughness supramolecular hydrogel based on hydrophobic interactions (TU/e)
- C25 Obszarska, J. Crosslinked poly(urea siloxane) microspheres with different amine units (UT)
- C26 Orlova, Y. Connected components in an evolving random graph driven by a polymerization reaction network (UvA)
- C27 Pijpers, I.A.B. Well-defined, functional nanotubes via osmotically induced shape transformation (TU/e)
- C28 Roy, M. Biobased adhesives for composite applications (UM)
- C29 Schoenmakers, D.C. Tuning and freezing the mechanical behavior and architecture of synthetic biomimetic networks by crosslinking polyisocyanide hydrogels (RUN)
- C30 Schotman, M.J.G. Size-controlled nanogels by RAFT-polymerization for biomedical applications (UT)
- C31 Schulz, A.S. Polymer brushes for tunable quantum dot positioning in photonic crystals (UT)
- C32 Shen, M. In vitro delivery of drugs by peptide modified liposomes (UL)
- C33 Strien, J. van Decoration of ELP diblock copolymer micelles with coiled coils (UL)
- C34 Toebes, B.J. Autonomous movement of enzyme-driven biodegradable nanomotor (RUN)
- C35 Tong, C. Tripodal squaramide-based supramolecular polymers and hydrogelators (UL)
- C36 Tu, Y.F. Multifunctional polymersome stomatocyte nanomotors (RUN)
- C37 Visschers, F.L.L. Electric-field driven dynamic surface topologies (TU/e)
- C38 Viviani, M. Novel ion conducting block-copolymers based on sulfonated polysulfones (RuG)
- C39 Vogel, W.V. Hyperbranched thermally curable all-aromatic high performance polymers and their properties (TUD)
- C40 Wardt, T.A. van de On the role of mechanochemistry in the degrafting of hydrophilic polymer brushes (UT)

## POSTERS CHEMISTRY (continued)

(in ALPHABETICAL ORDER, no co-authors listed)

- C41 Welzen, P.L.W. Tuning the morphology of a versatile polymersome carrier system for antigen display (TU/e)
- C42 Wroblewska, A.A. Characterization of partially bio-based polyamides with elevated glass transition temperatures from rigid galactaric acid derivatives (UM)
- C43 Yang, L. Encapsulation of platinum complexes into luminescent virus-like particles (UT)
- C44 Yin, S. Core-shell nanoparticles as efficient nucleating agents in polymer nanocellular foaming (UT)
- C45 Yuan, H. Mimicking the cytoskeletal properties of thermophilic archaea with synthetic helical polymers (RUN)

## POSTERS BIOMEDICAL

(in ALPHABETICAL ORDER, no co-authors listed)

- B1 Abdelghani, M.A.M. Elastin-like polypeptides for drug delivery (TU/e)
- B2 Calore, A.R. Processing routes for 3D scaffolds in tissue engineering (UM)
- B3 Cao, S. Signal-activated biodegradable polymer nanovectors for targeted delivery to the tumor microenvironment (TU/e)
- B4 Daudey, G.A. Influence of PEG-spacer length on peptide mediated targeted fusion of liposomes (UL)
- B5 Liu, K. Design of polyisocyanopeptide hydrogels with biomimetic mechanics for 3D in-vitro stem cell culture (RUN)
- B6 Ridolfo, R. Particle shape effects (TU/e)
- B7 Shao, J. Biointerfacing layer-by-layer self-assembly polymeric microcapsules (TU/e)
- B8 Shen, G. Nanoengineering hydrophobic drugs by interfacial assembly of bioadhesive molecules for effective anticancer therapy (TU/e)
- B9 Shi, H. PEG-polyacrylamide polymeric micelles for cancer drug targeting (UU)
- B10 Zhu, J. Nanogels targeting mitochondria for drug delivery (TU/e)

## POSTERS PHYSICS & THEORY

(in ALPHABETICAL ORDER, no co-authors listed)

- P1 Ambarwati, M. Synthesis of telechelic and three-arm amine terminated PTHF (RuG)
- P2 Bose, R.K. Self-healing in supramolecular block copolymers: contributions of polymer architecture and hard vs. soft blocks (TUD)
- P3 Cao, S. Host-guest chemistry inside virus-like particles (UT)
- P4 Grosso, G. Modelling flow induced crystallization: Multiple phases and morphologies (TU/e)
- P5 Kort, G.W. de Liquid-crystalline polymer reinforced poly(lactide) fibre composites (UM)
- P6 Manikas, K. Modeling the 3D-printing of electromagnetically active components (TU/e)
- P7 Meereboer, N.L. The Curie transition in P(VDF-co-TrFE) block copolymers (RUN)
- P8 Mitrias, C. Direct numerical simulation of a bubble suspension in small amplitude oscillatory shear flow (TU/e)
- P9 Sengupta, S. Morphology and dynamics of nafion membrane using molecular dynamics simulations (TU/e)
- P10 Tempelman, K. On the universal solvent occupancy of the excess free volume in glassy polymers (UT)
- P11 Terzic, I. Self-assembly of P(VDF-co-TrFE) based block copolymers (RuG)
- P12 Vis, M. Adsorption of polyelectrolytes at water–water interfaces (TU/e)
- P13 Yassaroh, Y. The effect of amylose-linoleic acid inclusion complexes on the functional properties of annealed potato starch (RuG)

## POSTERS TECHNOLOGY

(in ALPHABETICAL ORDER, no co-authors listed)

- T1 Anastasio, R. Mechanical properties of UV-cured acrylate resin (TU/e)
- T2 Angelis, M.T. de Surface-initiated polymerization from PCL electrospun matrix (UT)
- T3 Balemans, C. Computational modeling of the SLS process for viscoelastic particles (TU/e)
- T4 Chatillon, B. The role of solute-membrane and solute-solute interactions in brackish water desalination (TU/e)
- T5 Cirelli, M. Complex fluids as anticorrosion coatings for aluminum surfaces (UT)
- T6 Clarijs, C.C.W.J. Structure-property relations in amorphous polymers (TU/e)

## POSTERS TECHNOLOGY (continued)

(in ALPHABETICAL ORDER, no co-authors listed)

- T7 Deursen, P.M.G. van Hydrogels as aqueous substrate for graphene studies (UL)
- T8 Dong, J. Novel thermoelectric materials based on PEDOT (RuG)
- T9 Hejmady, P. In-situ visualization study of laser sintering of polymeric particles (TU/e)
- T10 Hendriks, M. Dynamic actuations in patterned liquid crystal coatings (TU/e)
- T11 Lanauze, J.A. Experimental quantification of the fountain flow instability during the injection molding process (TU/e)
- T12 Maaskant, E. Separation in harsh conditions: ultra-thin layers on ceramic hollow fibers (UT)
- T13 Noordzij, G.J. Small scale screening of novel bio-based polyesters (UM)
- T14 Paolucci, F. Structure development in melt-processed polyamide 12 (TU/e)
- T15 Pastukhov, L.V. Long-term performance of short-fibre reinforced thermoplastics (TU/e)
- T16 Pepe, J.P. Future developments for the inkjet printing of polymers (TU/e)
- T17 Post, W. Intrinsic healing of the flexural properties and impact induced delaminations of a disulphide based - glass fibre reinforced polymer composite (TUD)
- T18 Radmanesh, F.R. Enhancing electrochemical characterization of poly (ether sulfone) heterogeneous cation exchange membrane using carbon nanotube (UT)
- T19 Reurink, D.M. Next generation aquaporin embedded forward osmosis membranes (UT)
- T20 Saha, D. Future nano-composites: Exploring multifunctional multi-layered architectures (TU/e)
- T21 Schiphorst, J. Light-responsive polymer hydrogels for microfluidic applications (TU/e)
- T22 Smit, T.M. Predicting the fountain flow instability (TU/e)
- T23 Srinivas, V. Molecular design of high performing thermoplastics for 3D FDM printing (UM)
- T24 Troisi, E.M. Family affairs: Full characterization of multi-phase parents-daughters kinetics in flow-induced crystallization of iPP at elevated pressure (TU/e)
- T25 Wong, W.B. Numerical modelling of dispersive polymer blends (TU/e)
- T26 Xu, J. Polymer-templated chemical solution deposition of ordered multiferroic nanocomposites (RuG)
- T27 Zhang, S. Long term performance of glass fiber-reinforced polymers (TU/e)
- T28 Zhong, N. Role of di- and tetra-sulfide containing silane on the network formation of a healable organic-inorganic hybrid dual-network (TUD)
- T29 Zhou, Y. Poly(butylene terephthalate)/glycerol-based vitrimers via solid-state polymerization (TU/e)





# **DUTCH** POLYMER DAYS - 17

## **LIST of PARTICIPANTS**

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LIST OF PARTICIPANTS

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Abdelghani	M.A.M.	TU/e
Adharis	A.	RuG
Albers	P.T.M.	TU/e
Algoe	S.	UL
Almeida	P. de	RUN
Ambarwati	M.	RuG
Ameduri	B.	ICG
Anastasio	R.	TU/e
Anderson	P.D.	TU/e
Angelis	M.T. de	UT
Balemans	C.	TU/e
Bastiaansen	C.W.M.	TU/e
Beer	S. de	UT
Benes	N.E.	UT
Blume	A.	UT
Borneman	Z.	TU/e
Bose	A.	TU/e
Bose	R.K.	TUD
Breemen	L.C.A. van	TU/e
Breijer	M.E.J.	Teijin Aramid
Bresseleers	J.	TU/e
Brinke	G. ten	em. RuG
Broer	D.J.	TU/e
Bruggeman	A.	Bond HP 3D Technology
Bruggen	E.P.A. van	PTG/e
Brüls	M.	WUR
Bussink	J.	em. TU/e
Caelers	H.J.M.	TU/e
Calore	A.R.	UM
Cao	S.	TU/e
Cao	S.	UT
Cardinaels	R.	TU/e

Cetintas	M.	WUR
Challa	G.	em. RuG
Chatillon	B.	TU/e
Che	H.	TU/e
Chevtchik	N.	Bond HP 3D Technology
Cirelli	M.	UT
Clarijs	C.C.W.J.	TU/e
Coenen	A.	UM
Cornelissen	J.J.L.M.	UT
Daal	T.L.J. van	TU/e
Dam	A.I. van	WUR
Daudey	G.A.	UL
Delgove	M.A.F.	UM
Deursen	P. van	UL
Dierkes	W.K.	UT
Dingemans	T.J.	UCN
Dong	J.	RuG
Driest	P.J.	Covestro
Dussi	S.	WUR
Duvigneau	J.	UT
Egorova	E.A.	UL
Ellenbroek	W.G.	TU/e
Elshof	M.G.	UT
Elzes	M.R.	UT
Essen	M. van	TU/e
Esteves	A.C.	TU/e
Feng	W.	TU/e
Fernandez-Castano	M.	TU/e
Filippov	A.D.	WUR
Finner	S.P.	TU/e
Fodor	C.	RuG
Gojzewski	H.	UT
Golkaram	M.	RuG
González García	Á.	TU/e
Goossens	J.G.P.	SABIC
Govaert	L.E.	TU/e
Goyal	A.	TU/e
Gracia	S.J.	TUD
Grebikova	L.	UT
Grigoriadi	K.	TU/e
Groeneveld	G.	UvA
Grosso	G.	TU/e

Guo	Z.	UT
Gustini	L.	UM
Hannemann	W.W.	UT
Harings	J.	UM
Hees	I.A. van	WUR
Heeswijk	E.P.A. van	TU/e
Heijden	T.W.G. van der	TU/e
Hejmady	P.	TU/e
Hendrixx	M.	TU/e
Hest	J.C.M. van	TU/e
Heuts	J.P.A.	TU/e
Hoek	J.W. van	UT
Hoeks	T.L.	SABIC
Hoekstra	D.	TU/e
Hofman	A.	WUR
Houben	M.	TU/e
Hütter	M.	TU/e
Huurne	G.M. ter	TU/e
Ianiro	A.	TU/e
Iedema	P.D.	UvA
Jimenez-Pardo	I.	TU/e
Kapoerchan	V.	NWO
Keller	S.	RUN
Kershah	T.G.M.	TU/e
Kieltyka	R.E.	UL
Klomp	D.J.	TU/e
Knoop	R.J.I.	WUR
Koning	C.E.	TU/e
Kopec	M.	UT
Kort	G.W. de	UM
Kouwer	P.	RUN
Kragt	A.J.J.	TU/e
Kröger	A.A.P.	UT
Kulkens	T.	NWO
Lafleur	S.S.D.	TU/e
Lanauze	J.	TU/e
Leermakers	F.A.M.	WUR
Leoné	N.	UM
Li	B.	TU/e
Li	J.	TUD
Liang	J.	UT
Liang	T.	TU/e

Liu	A.	UT
Liu	H.	TU/e
Liu	K.	RUN
Liu	P.	TU/e
Liu	S.	UT
Liu	Y.	UT
Llopis Lorente	A.	RUN
Long	T.E.	Virginia Tech
Loontjens	J.A.	RuG
Loos	K.	RuG
Luksemburg	P.	KNCV
Lyulin	A.V.	TU/e
Ma	S.	TU/e
Maaskant	E.	UT
Maassen	E.E.L.	TU/e
Maassen	S.J.	UT
Maniar	D.	RuG
Manikas	K.	TU/e
Martino	M.T. de	TU/e
Matyjaszewski	K.	CMU
Meereboer	N.L.	RuG
Mihajlovic	M.	TU/e
Mitrias	C.	TU/e
Moeinifard	M.	TU/e
Moirangthem	M.	TU/e
Molenaar	J.M.M.	Ministerie van Defensie
Molhoek	L.J.	DSM
Montano	V.	TUD
Najafi	M.	UU
Nawada	S.H.	UvA
Nelissen	L.	PTN
Nguon	O.	UT
Nickmans	K.	TU/e
Nielen	W.M.	UT
Nijmeijer	D.C.	TU/e
Nolte	R.	RUN
Noordermeer	J.W.M.	UT
Noordzij	G.J.	UM
Nostrum	C.F. van	UU
Noteborn	W.E.M.	UL
Obszarksa	J.	UT
Orlova	Y.	UvA

Oymaci Akin	P.	TU/e
Padberg	C.	UT
Paolucci	F.	TU/e
Parodi	E.	TU/e
Pastukhov	L.V.	TU/e
Paulusse	J.M.J.	UT
Peng	F.	RUN
Pepe	J.	TU/e
Pepels	M.	DSM
Peters	G.W.M.	TU/e
Peters	R.	UvA
Peters	V.F.D.	TU/e
Petisco Ferrero	S.	TU/e
Picken	S.J.	TUD
Pijpers	I.A.B.	TU/e
Pille	J.	TU/e
Pilz da Cunha	M.	TU/e
Poot	A.A.	UT
Portale	G.	RuG
Post	W.	TUD
Rabe	A.	UL
Radmanesh	F.R.	UT
Raffaelli	C.	TU/e
Rastogi	S.	UM
Reurink	D.M.	UT
Ridolfo	R.	TU/e
Ritsema	J.A.S.	UU
Roeven	E.M.T.	WUR
Romano	D.	UM
Roy	M.	UM
Sablong	R.J.	TU/e
Saez Talens	V.	UL
Saha	D.	TU/e
Salehi	M.	UT
Scavo	E.	UT
Schamboeck	V.S.	UvA
Schaminée	M.	PTN
Schenning	A.P.H.J.	TU/e
Schiphorst	J. ter	TU/e
Schneider	G.	UL
Schoenmakers	D.C.	RUN
Schoenmakers	P.J.	UvA

Schoot	P. van der	TU/e
Schotman	M.J.G.	UT
Schulz	A.S.	UT
Semerdzhiev	S.	WUR
Sengupta	S.	TU/e
Shao	J.	TU/e
Shen	G.	TU/e
Shen	L.	TU/e
Shen	M.	UL
Shi	H.	UU
Sijbesma	R.P.	TU/e
Simonsz	R.	WUR
Smit	T.M.	TU/e
Smulders	M.M.J.	WUR
Srinivas	V.	UM
Strien	J. van	UL
Susa	A.	TUD
Tas	S.	UT
Tempelman	K.	UT
Terzic	I.	RuG
Tichelaar	M.	RuG
Timmermans	G.	TU/e
Tito	N.B.	TU/e
Toebe	B.J.	RUN
Tong	C.	UL
Troisi	E.M.	TU/e
Tu	Y.F.	RUN
Tuinier	R.	TU/e
Vancso	G.J.	UT
Varela Moreira	A.	UU
Varghese	S.	TU/e
Vermonden	T.	UU
Verpaalen	R.	TU/e
Verwey	L.	UT
Vis	M.	TU/e
Visschers	F.L.L.	TU/e
Viviani	M.	RuG
Vleugels	N.	UT
Voet	V.S.D.	Stenden Applied University
Vogel	W.V.	TUD
Vogelzang	W.	WUR
Vogiatzis	G.	TU/e

Vos	W.M. de	UT
Wardt	T.A. van de	UT
Welzen	P.L.W.	TU/e
Willott	J.D.	UT
Wilsens	K.	UM
Wong	W.B.	TU/e
Wroblewska	A.A.	UM
Würdemann	M.	UM
Xu	H.	TUD
Xu	J.	RuG
Yang	L.	UT
Yassaroh	Y.	RuG
Yin	S.	UT
Yuan	H.	RUN
Zakhari	M.E.A.	TU/e
Zhan	H.	RUN
Zhang	S.	TU/e
Zhang	Y.	RUN
Zhang	Z.	RUN
Zhong	N.	TUD
Zhou	Y.	TU/e
Zhu	J.	TU/e
Zuilhof	H.	WUR
Zwaag	S. van der	TUD



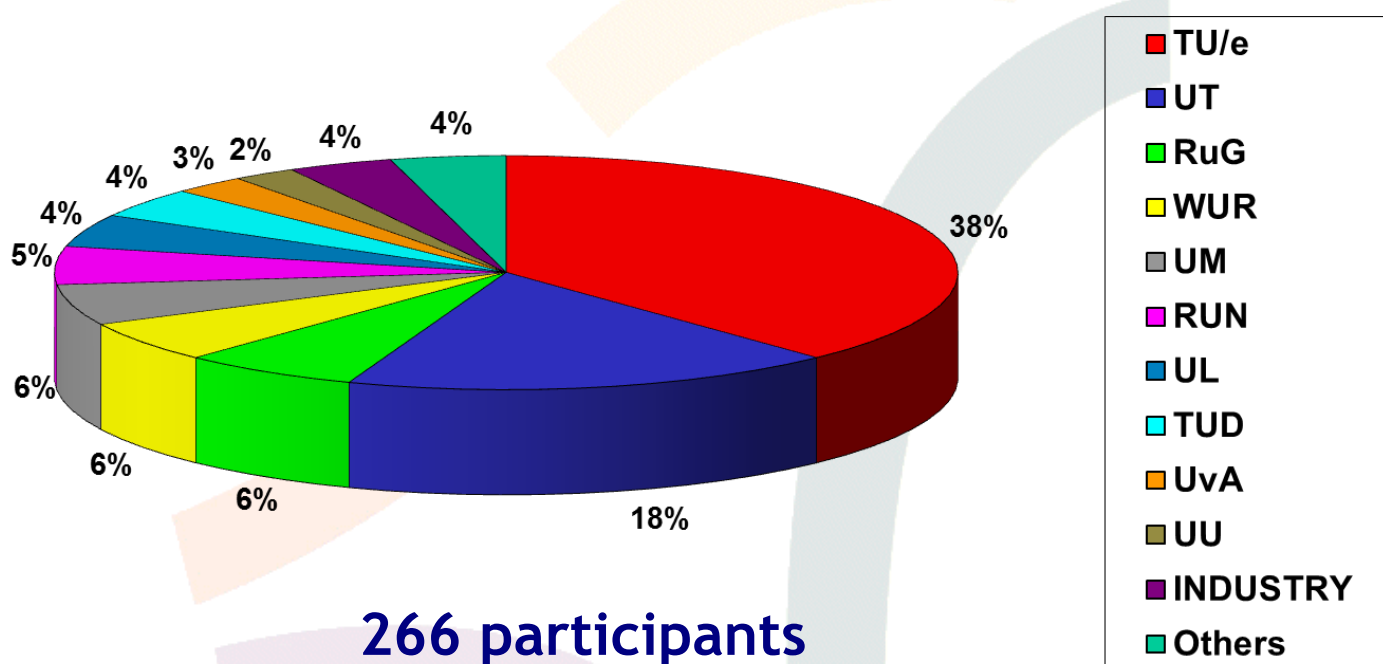
# DUTCH POLYMER DAYS - 17

KNCV



97 POSTERS & 43 WORKSHOP LECTURES

3 INVITED SPEAKERS & 12 PLENARY LECTURES



PTN Education Calendar 2017: [www.ptn.nu](http://www.ptn.nu)

**RPK-C**

'Polymer Properties'

March 31 - June 23, 2017

**RPK-D**

'Rheology & Polymer Processing'

September 15 - December 1, 2017

**Coating Technology Module 1**

'Polymer Chemistry & Physics and Colloid Systems'

June 14 - 20, 2017

**Coating Technology Module 2**

'Binder Chemistry & Film Formation'

November 1 - 7, 2017