

Programme

Dutch Materials 2016

4TU.High-Tech Materials

*Materials at the atomic scale &
Bio- and bio-inspired materials*

Keynote lectures by

Prof.dr. Herbert Urbassek

Physics Department, University of Kaiserslautern, Germany

Prof.dr. Paul Koenraad

Applied Physics, Photonics and Semiconductor Nanophysics, Eindhoven University of Technology

Prof.dr. Thomas Scheibel

Chair of the Department for Biomaterials, University of Bayreuth, Germany

Date: 13 October 2016

Location: Beatrixgebouw, Jaarbeurs, Utrecht

10.30 – 11.00	Welcoming coffee and registration (Setting up) Poster exhibition
	ROOM 1 (plenary) ROOM 2
11.00 – 11.10	<i>Opening</i> Prof.dr.ir. Jilt Sietsma (scientific director 4TU .HTM) Materials Science and Engineering, 3mE, Delft University of Technology
11.10 – 11.50	<i>Morning session (Room 1): Materials at the atomic scale</i> Chair: Marc Geers (TU/e) <i>3D material characterisation at the atomic scale by Atom Probe Tomography</i> Prof.dr. Paul Koenraad Applied Physics, Photonics and Semiconductor Nanophysics, Eindhoven University of Technology
11.50 – 12.30	<i>Atomistic simulations in materials science: nanoplasticity and phase transformations</i> Prof.dr. Herbert Urbassek Physics Department, University of Kaiserslautern, Germany
	ROOM 2
12.30 – 13.15	Lunch – and time to view posters
13.15 – 14.00	<i>'New Horizons in Designer Materials'</i> & 4TU posters within Materials Science Stand-up Poster Presentations Chair: Sybrand van der Zwaag (TUDelft)
14.00 – 14.30	Poster session – time to view and discuss posters
14.30 – 15.00	Break (coffee, tea, refreshments) – and still time to discuss posters
15.00 – 15.15	<i>Afternoon session (Room 1): Bio- and bio-inspired materials</i> Chair: Julius Vancso (UT) <i>Designing artificial virus capsid proteins</i> Lione Willems, M.Sc. – Ph.D. Candidate, Wageningen UR, Agrotechnology and Food Sciences, Physical Chemistry and Soft Matter
15.15 – 15.30	<i>Lipid bilayers formed on silicon supported polyelectrolyte multilayers</i> Dr. Lukasz Poltorak - Postdoc, TU Delft, Chemical Engineering, Organic Materials & Interfaces Lab
15.30 – 15.45	<i>Biodegradable polymer networks and scaffolds prepared by stereolithography</i> Bas van Bochove, M.Sc. - Ph.D. Candidate, University of Twente, Biomaterials Science and Technology (BST), Biomaterials and Regenerative Medicine
15.45 – 16.30	<i>Structural proteins: Self-Assembling Biopolymers for Various Applications</i> Prof.dr. Thomas Scheibel Fac. of Engineering Science, Dept. of Biomaterials, University of Bayreuth, Germany
16.30 – 18.00	Drinks