

## 4TU.High-Tech Materials - Dutch Materials 2016 Posters

<p><b>1. Dr. Ad van Well (and dr. Lambert van Eijck)</b> – TU Delft – Applied Physics, Neutron and Positron Methods in Materials * Title: <i>PEARL: the novel neutron powder diffractometer at the TU Delft</i></p>
<p><b>2. Jun Wu, M.Sc.</b> – TU Delft – 3mE – Materials Science and Engineering Title: <i>Damage analysis of in-field loaded railway steel</i></p>
<p><b>3. Dr. Bij-Na Kim</b> – TU Delft – 3mE – Materials Science and Engineering Title: <i>In situ characterisation of carbon partitioning in Q&amp;P steels</i></p>
<p><b>4. Dr. Carola Alonso de Celada</b> – TU Delft – 3mE – Materials Science and Engineering Title: <i>The effect of the prior austenite grain size on the microstructure evolution of a Q&amp;P steel</i></p>
<p><b>5. Anwasha Bose, M.Sc.</b> - TU/e – Applied Physics - Theory of Polymers and Soft matter group * Title: <i>Homocomposites: Controlling response using states of self stress</i></p>
<p><b>6. Emiel van de Ven, M.Sc.</b> - TU Delft / LNR – 3mE - PME - Structural Optimization and Mechanics * Title: <i>Overhang Constraint</i></p>
<p><b>7. Dr. Yabin Yang</b> - TU Delft - 3mE – PME - Structural Optimization and Mechanics Title: <i>Residual stress prediction in additive manufacturing</i></p>
<p><b>8. Shanqiu Liu, M.Sc.</b> - UTwente - Materials Science and Technology of Polymers * Title: <i>Effects of nanoparticle size and surface chemistry on cell nucleation in nanocellular polymer foaming</i></p>
<p><b>9. Dr. Jeffry Murphy</b> - TU/e- Department of Chemical Engineering and Chemistry, Functional Organic Materials and Devices * Title: <i>Directed self-assembly of oligo(dimethylsiloxane) liquid crystal thin films for sub-5 nm patterning</i></p>
<p><b>10. Reza Hedeyati, Ph.D.</b> - TU Delft – 3mE – Biomechanical Engineering, Biomaterials &amp; Tissue Biomechanics * Title: <i>Additively manufactured pentamode mechanical metamaterials for biomedical applications</i></p>
<p><b>11. Parisa Rahnamay Moshtagh, M.Sc. (1)</b> - TU Delft – 3mE – Biomechanical Engineering, Biomaterials &amp; Tissue Biomechanics, Title: <i>Nano-mechanics of osteoarthritic cartilage measured using atomic force microscopy</i></p>
<p><b>12. Parisa Rahnamay Moshtagh, M.Sc. (2)</b> - TU Delft – 3mE – Biomechanical Engineering, Biomaterials &amp; Tissue Biomechanics Title: <i>Nano-mechanical properties of multi-block copolymer microspheres for drug delivery applications</i></p>
<p><b>13. Ingmar A.J. van Hengel, M.Sc.</b> - TU Delft – 3mE – Biomechanical Engineering, Biomaterials &amp; Tissue Biomechanics Title: <i>Antimicrobial surfaces on additively manufactured porous titanium implants</i></p>
<p><b>14. Shahram Janbaz, M.Sc.</b> – TU Delft – 3mE – Biomechanical Engineering, Biomaterials &amp; Tissue Biomechanics * Title: <i>Programming the shape-shifting of flat soft matter</i></p>
<p><b>15. Suvra Nath, M.Sc.</b> – TU Delft – 3mE – Biomechanical Engineering, Biomaterials &amp; Tissue Biomechanics Title: <i>Tissue matrix-derived substrates for in vitro differentiation of cerebellar progenitor cells: a quantitative study</i></p>
<p><b>16. Yageng Li, M.Sc.</b> – TU Delft – 3mE – Biomechanical Engineering, Biomaterials &amp; Tissue Biomechanics Title: <i>Additively manufactured biodegradable metal scaffolds for bone tissue engineering</i></p>
<p><b>17. Dr. Saber Amin Yavari</b> – TU Delft – 3mE – Biomechanical Engineering, Biomaterials &amp; Tissue Biomechanics * Title: <i>Additively manufactured porous nitinol: combining superelasticity with polydopamine-immobilized rhBMP2 and rationally designed micro-architecture</i></p>
<p><b>18. Françoise Bobbert, M.Sc.</b> – TU Delft – 3mE – Biomechanical Engineering, Biomaterials &amp; Tissue Biomechanics Title: <i>Additively manufactured porous metallic scaffolds based on minimal surfaces</i></p>

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