

# The 2015 Zernike Chair COLLOQUIUM

## Functional supramolecular materials and systems

WEDNESDAY, 21 OCTOBER 2015, 16.00h

Nijenborgh 4, Lecture Hall 5111.0022



### E.W. (Bert) Meijer

Institute for Complex Molecular Systems  
Eindhoven University of Technology

The Zernike Chair has been established to offer a temporary position at the Zernike Institute for Advanced Materials to a world-class scientist in materials science, with the aim of further improving the Institute's research, teaching, and visibility.

Bert Meijer is Distinguished University Professor in the Molecular Sciences and Professor Organic Chemistry. Meijer received a number of awards, including the Spinoza Award in 2001, the ACS Award for Polymer Chemistry in 2006, the AkzoNobel Science Award 2010, the International Award of the Society of Polymer Science Japan in 2011, the Cope Scholar Award of the ACS in 2012, and the Prelog medal in 2014. He is a member of a number of academies and societies, including the Royal Netherlands Academy of Science, where he is appointed to Academy Professor in 2014.

The cooperative action of molecules in the self-assembly towards functional supramolecular materials and systems brings us closer to closing the gap between synthetic and biological molecular systems. This will bring intriguing prospects in systems such as adaptive and responsive materials, molecular electronics, nanotechnology and biomaterials. The design and synthesis of well-defined supramolecular polymers requires a balanced choice between covalent synthesis and the self-assembly of the fragments prepared. With Nature as a source of inspiration, chemists and material scientists are searching for new ways to create sustainable solutions to improve the quality of life. Examples of new materials that are useful for self-healing constructs, tissue engineering, energy, and life-like systems will be presented. Common traits in all presented systems is the mastery of the complexity of dynamic molecular system at different time- and length-scales.

**Join us for coffee starting 15:30h. Refreshments will be served after the lecture.**

Host: Prof.dr. Thomas T.M. Palstra | More information? [zernike@rug.nl](mailto:zernike@rug.nl)