

## Press release

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<http://www.efce.org>

### Glotzer to deliver Danckwerts chemical engineering lecture

**Dr Sharon Glotzer, an internationally recognised scientist based at the University of Michigan, US, will deliver the 2013 Danckwerts Lecture in April.**

Glotzer has written more than 160 publications and over 250 invited, keynote and plenary talks around the world, and will give the lecture at the European Federation of Chemical Engineering's 9<sup>th</sup> European Congress of Chemical Engineering in The Hague, The Netherlands.

In her talk, *Assembly Engineering: Materials Design for the 21<sup>st</sup> Century*, she will discuss the core principles of assembly engineering and the application of these principles to the design and synthesis of next generation materials.

Re-examining the notion of shape and its role in the bottom-up assembly of new materials, Glotzer's research focuses on the self-assembly of nanoscale systems, looking at entropy, shape and form at a new level, opening doors to brand new creations.

Glotzer explains: "The fascinating science of self-assembly has matured sufficiently that bottom-up building block assembly is emerging as an important paradigm for the creation of new materials and structures."

Dr Wridzner Bakker, Executive VP of EFCE and organising committee member of ECCE9 explains the cachet of the lecture: "The Danckwerts Lecture is a coveted platform that never fails to attract wide interest. Dr Glotzer's standing in the scientific community, as well as her unique nano-technology expertise will undoubtedly draw a sizeable audience."

For more information about the 9<sup>th</sup> European Congress of Chemical Engineering – ECCE9, visit <http://www.ecce2013.eu/>

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#### Editor's Notes

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## **Notes to editors:**

### **About chemical engineers**

Chemical, biochemical and process engineering is the application of science, maths and economics to the process of turning raw materials into everyday products. Professional chemical engineers design, construct and manage process operations all over the world. Pharmaceuticals, food and drink, synthetic fibres and clean drinking water are just some of the products where chemical engineering plays a central role.

### **About EFCE**

Founded in 1953, The European Federation of Chemical Engineering (EFCE) is a non-profit-making association, whose object is to promote co-operation in Europe between non-profit-making professional scientific and technical societies in 30 countries for the general advancement of chemical engineering and as a means of furthering the development of chemical engineering. See [www.efce.org](http://www.efce.org)

### **About The Danckwerts Lecture**

Established in 1985 in memory of the late Prof Peter V Danckwerts GC MBE FRS, past president of the Institution of Chemical Engineers (IChemE), this lecture is co-sponsored by IChemE, EFCE, Elsevier and AIChE and presented in alternate years at the European Congress of Chemical Engineering and the American Institute of Chemical Engineering Annual Meeting.