

# Bioinspired nanotechnologies for Smarter Products

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## **Presentations and abstracts included in the ‘Bioinspired Nanotechnologies for Smarter Products’ post-event proceedings include the following:**

**‘Fire and Explosions in Nature – some biomimetic possibilities’**, *Professor Andy McIntosh, University of Leeds*

**‘Insects did it first: Biomimetic mushroom-shaped fibrillar adhesive microstructure’**, *Dr Stanislav N. Gorb, Max Planck Institute for Metals Research*

**‘Information and structure as the routes of nanotechnology’**, *Professor Julian Vincent, University of Bath*

**‘Charge transfer in biological systems to control structure and dynamics in nanostructured materials’**, *Dr Paul Barker, University of Cambridge*

**‘Structural coloration does not necessarily imply a fancy, iridescent or metallic, appearance’**, *Dr Jean-Pol Vigneron, BioPhot project, University of Namur*

**‘New nanocomposites inspired by the plant cell wall’**, *Professor Lars Berghund, Royal Institute of Technology (KTH) in Stockholm*

**‘Photonic structures in butterfly scales’**, *Professor Roy Sambles, Exeter University*

**‘Plant Stems as Role Models for Structurally Optimized Biomimetic Composite Profiles with Gradient Structure’**, *Dr Markus Milwich, ITV Dekendorf*

**‘Lotus Leaf – Applications of Nature’s Repellancy Techniques’**, *Boris Striffler, University of Bonn*

**‘Biomimetics: where has it come from and where is it going?’**, *Richard Bonser, Centre for Biomimetics, The University of Reading*

**‘Scanning arthropod diversity for biomimetic solutions’**, *Andrew Martin, University of Applied Sciences Bremen Dept for Biomimetics*