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Potentials and Trends in Biomimetics

The purpose of this study was to take an in-depth look at the most important trends and the potentials of biomimetics as a basis of science and engineering development and innovation and to assess the standing of biomimetic research and development in Germany as compared internationally. Building on case studies; analyses of literature, patents, and research networks; and interviews and workshops, information and specific findings were compiled with respect to the status of biomimetics as a research and development field, the validity of the "biomimetic promise" of ecological adaptation and low-risk biomimetic solutions, the current trends in bionics, as well as the general setting, driving forces, and obstacles in the realization of its potential for innovation.... *more on <http://springer.com/978-3-642-05245-3>*

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