Transferkolleg 2016 - Functional coatings, layers and interfaces

Surface technologies have become key in achieving product differentiation, a competitive advantage, and value creation for many companies. Research and industry institutions are making significant investments in advancing surface science and technologies. Since many of the new technologies demand specialist knowledge along the value chain, collaborations between academia and industry are best suited for fast implementation. SATW Transferkolleg supported such projects that help Swiss industry benefit from such developments and secure a competitive edge, including the following areas:

- Layers and interfaces with an improved quality, look and feel, service life, hardness, mechanical, or chemical resistance.
- Surfaces that are in contact with biological materials which have special features such as biocompatibility, biodegradability, antimicrobial, hygiene improvement, slow release, catalysis, and reaction inhibition.
- Functional layers for sensors, actuators, energy generation, and storage.

The proposals addressed development, characterization, or analysis of new or improved materials, products, systems, tools, or processes relevant for industrialization.

The 2016 initiative was organized in collaboration with CTI's National Thematic Network Innovative Surfaces and – as every year – the CTI funds a major part of the costs of the Transferkolleg.

Project team

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