



« **Chemistry and materials : together for innovations in our daily life** »

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Chemistry is at the heart of our daily life, owing to the solutions this industry brings to all of our activities, from energy (generation, storage and savings) to preservation of the environment, from transportation to electronics, from building materials to personal care, etc.

Tremendous progress has been made in the field of materials and their applications in the last 20 years, thanks to the combination of advanced synthesis methods, transformation of materials (polymers, inorganics, hybrids, ..), and understanding structure-property relationship.

I will illustrate some of the areas where innovation from chemistry and materials science has been instrumental for the development of new industrial applications : highly dispersible silicas for rubber reinforcement, rare earths for automotive catalysts and luminescent materials, advanced polymers, ...

I will also mention new technologies to conduct research, that are revolutionizing advanced research, like microfluidics and robotics, through strong partnerships, e.g. in Joint units with CNRS and universities.