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***Project Report on Cooperation Project “New trends in application of photo- and electro-catalysis” 46p3***

Vienna, 5. December 2006

About 25 scientists of two academic institutions, Institute of Chemical Technology (ICT) Prague and Vienna University of Technology (Institute of Materials Chemistry, IMC), active in the field of photo- and electro-catalysis, as well as guests from research (Austrian Research Centres Seibersdorf), have met in Znojmo on November 20-22, 2006, to discuss recent scientific and technological advances and fields of common interests and potential future collaborations.

The state of research was presented by 20 invited and contributed lectures from nearly all participants who provided an overview of current research. Titania thin films, prepared by various methods, and immobilized on various substrates, were the main topic. A number of preparation routes and characterization methods were presented, as well as various applications such as self-cleaning windows/surfaces, water purification, disinfection, etc. New approaches including inorganic-organic frameworks and modification by dyes and other oxides (enhancing light efficiency) were discussed.

A major subject was how closer connections between ICT and IMC could be established in the future, e.g. by joint project applications and by student exchange. As a first immediate result an Erasmus contract was signed between ICT and TU Vienna (Coordinators: Doc. Dr. Ing. P. Klusoň and Prof. Dr. G. Rupprechter).

Informal discussion between and after the scientific sessions have established and deepened scientific contacts. Future joint activities will be of mutual benefit both for ICT and IMC/TU, with the latter focusing rather on material characterization and the former rather on technical systems and applications.

Overall, the workshop was very interesting and all participants have certainly benefited from this successful event.

With best regards,

A handwritten signature in blue ink, appearing to read 'G. Rupprechter', with a long horizontal stroke extending to the right.