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## Proceedings – The 12<sup>th</sup> Wolfgang-Ostwald-Colloquium

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*Proceedings* The 12<sup>th</sup> Wolfgang-Ostwald-Colloquium of the Kolloid-Gesellschaft was held on the 25<sup>th</sup> to the 26<sup>th</sup> March in the Institute of Inorganic Chemistry at Christian-Albrechts-University in Kiel. The aim of the colloquium was to present a survey of modern developments in the preparation, characterization, and application of inorganic compounds of colloidal dimensions. Layered compounds composed of separable layers of nanometer thickness are one important area of research in this field. It is hoped that research into such compounds will lead to modern inorganic hybrid materials and nanocomposites. The invited lectures drew extensively from this topic:

- Faïza Bergaya (Orléans): “Clay-polyethylene nanocomposites, new nanofillers”
- Umberto Costantino (Perugia): “Manipulation of synthetic anionic clays to obtain materials for various applications”
- Imre Dékány (Szeged): “Nanostructured semiconductor/clay mineral composites and their photocatalytic properties”
- Hans Lyklema (Wageningen): “Charge- and potential regulation between Gouy-Stern double layers”
- Hiroyuki Ohshima (Tokyo): “Electrophoresis of highly charged colloidal particles”
- Eduardo Ruiz-Hitzky (Madrid): “Towards advanced organic-inorganic nanostructured materials based on clay minerals”
- Norbert Schall (Moosburg): “Clay-polymer nanocomposites”
- Robert Schoonheydt (Leuven): “Towards functional clay mineral nanofilms”
- Wilhelm Schwieger (Erlangen): “Alkali silicates and crystalline silicic acids: structure and properties”
- Etelka Tombácz (Szeged): “Surface charging and particle interactions in aqueous dispersions of metal oxides and clay minerals”
- Klaus Unger (Mainz): “Inorganic colloids – the basis for the generation of novel adsorbents for life science applications: How to design silica adsorbents for liquid phase separation processes in proteomics”
- Wolfram Vogelsberger (Jena): “Colloidal particles: formation, growth, dissolution and Ostwald-ripening, covered in a uniform model”
- Ralf Zimehl (Krefeld): “Composites with inorganic colloids – from basic concepts to applications”

During this meeting, Gerhard Lagaly was awarded with the Wolfgang-Ostwald-Prize of the Kolloid-Gesellschaft.

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