

Language: English

Date : March 28 (Tue), 2017, 15:00–16:00

Location : W524, 5F, Cooperation Center, Wako Campus, RIKEN

Title : Selected Coating Technologies like Chemical Vapour Deposition with Organometallic Compounds for Modification of the Inner Surface of Micro- and Nanostructured Materials

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In this talk, different selected coating technologies like Organometallic Chemical vapour deposition (OMCVD) are introduced. These different coating methods and their potential are discussed intensively for the modification of micro- and nanostructured materials.

The ultimate application of these micro- and nanostructured materials modified by different metals is their use e.g. in optics, chemistry or material science.

For this purpose organometallic, elementorganic and coordination compounds are decomposed chemically in macro-, meso-, micro- and nanosystems. Thus, a specific surface structure for the respective application can be realized. To achieve this objective the right choice of substrate material is relevant.