



Materiomics

Co-Chaired by

Joyce Wong and Thomas Scheibel

Terminologies

Single Molecules

vs. Systemic Approaches

Genes

Genomics

Proteins

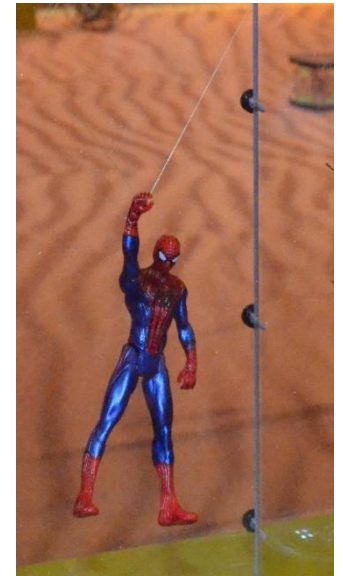
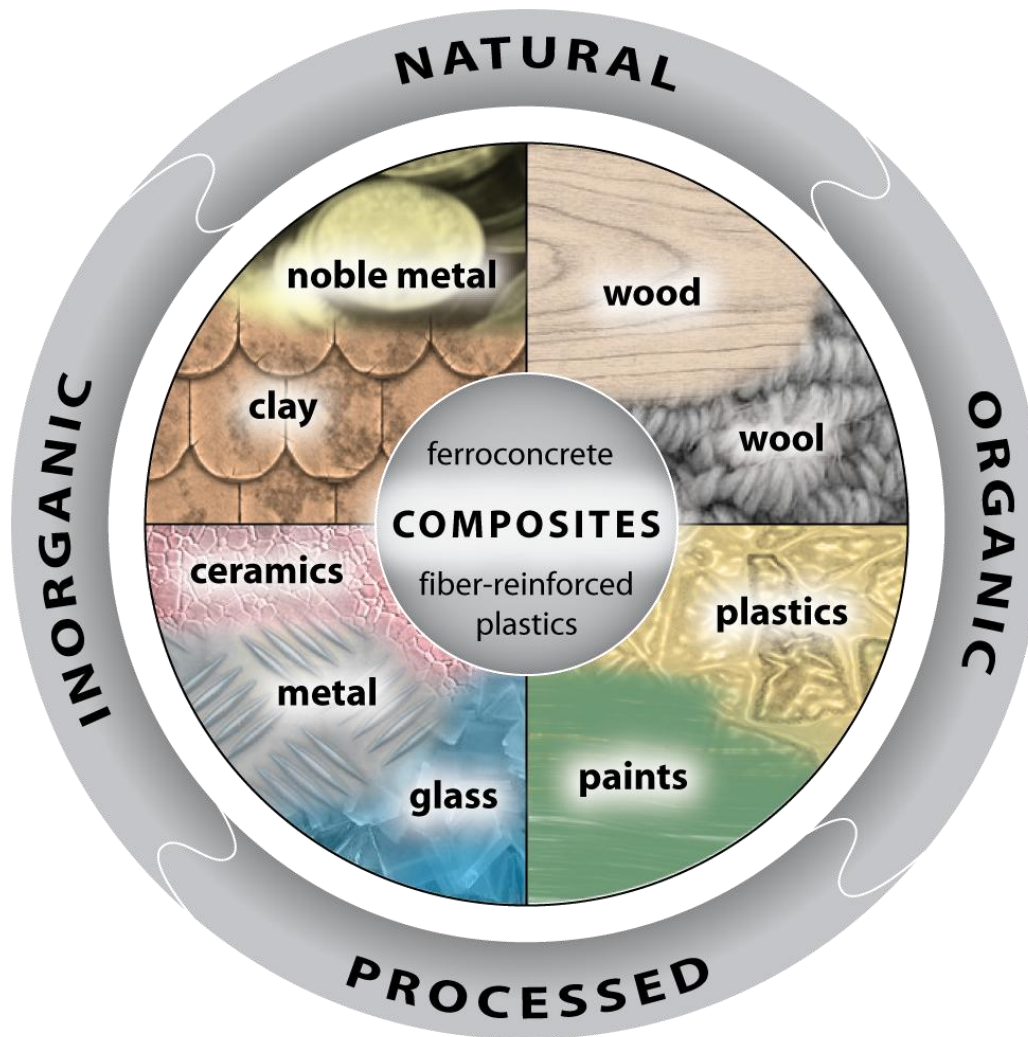
Proteomics

Materials

Materiomics

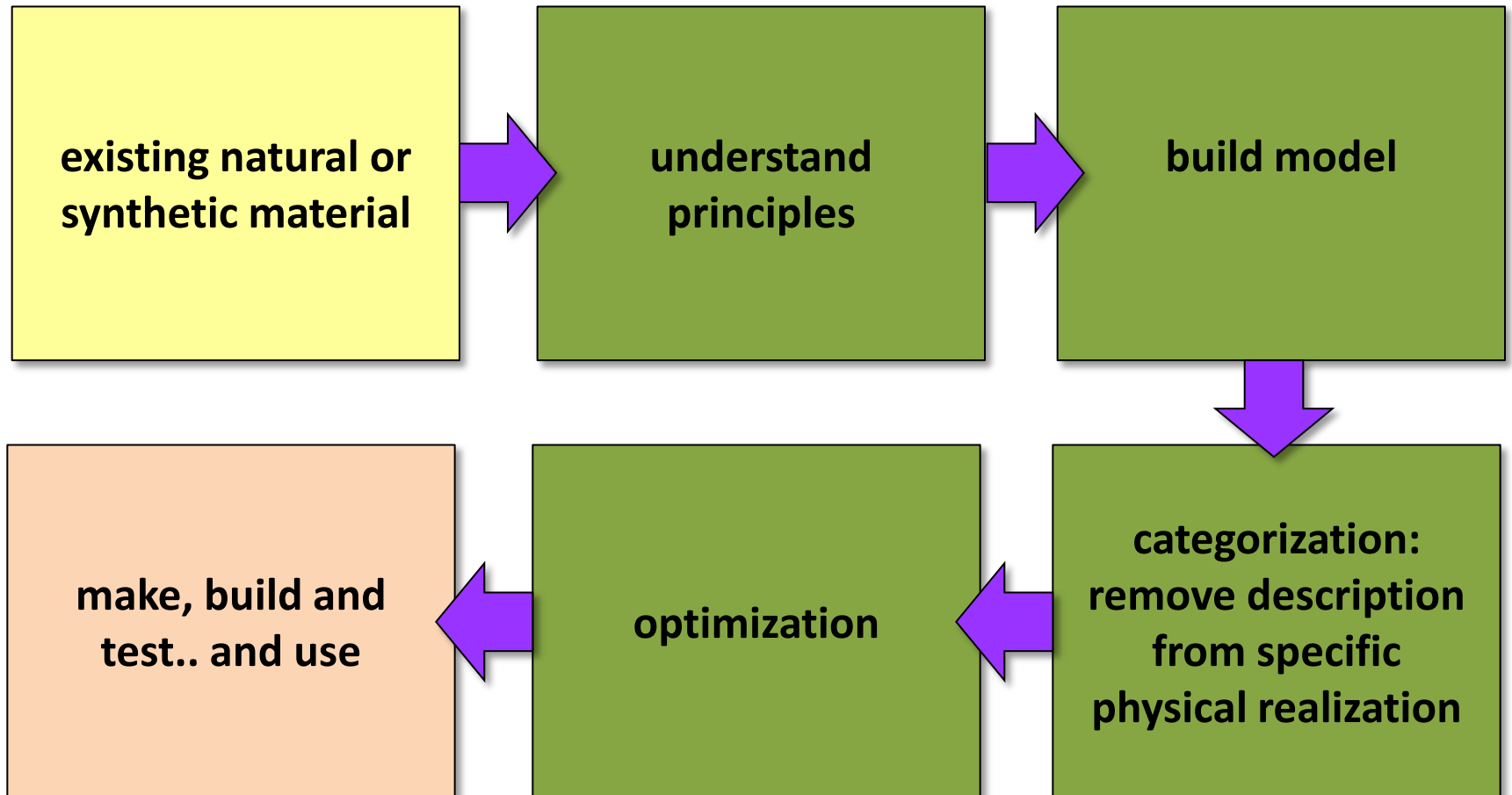
the holistic study of materials systems – links between physicochemical material properties and material characteristics – considers a complete material system

Overview of Material Classes



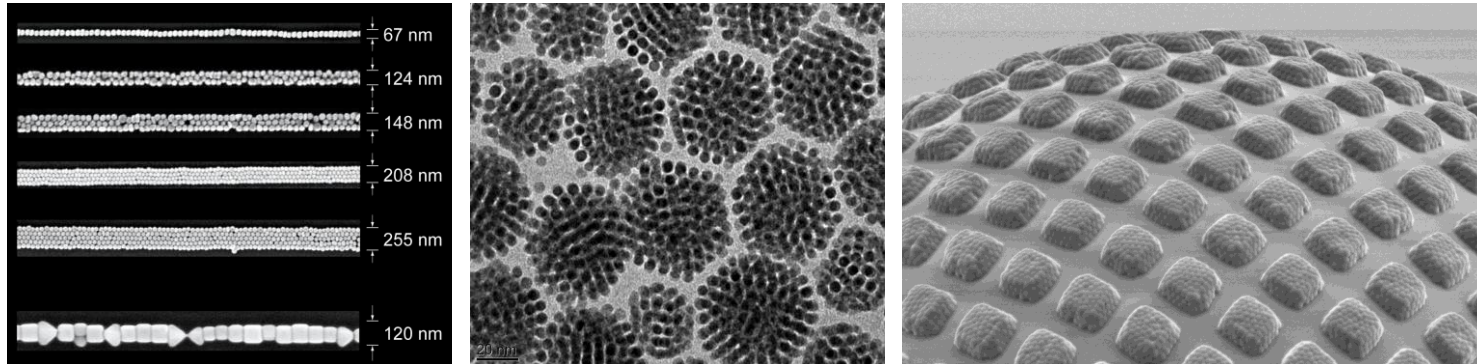
Systemic approaches towards Materiomics

Markus Buehler

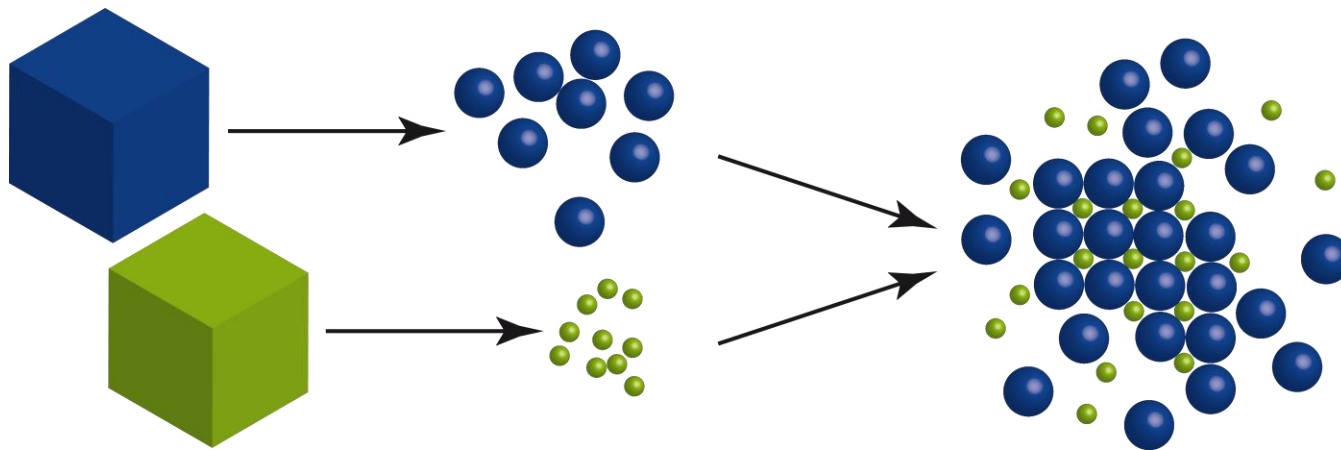


Bottom-up approaches for new materials

Tobias Kraus

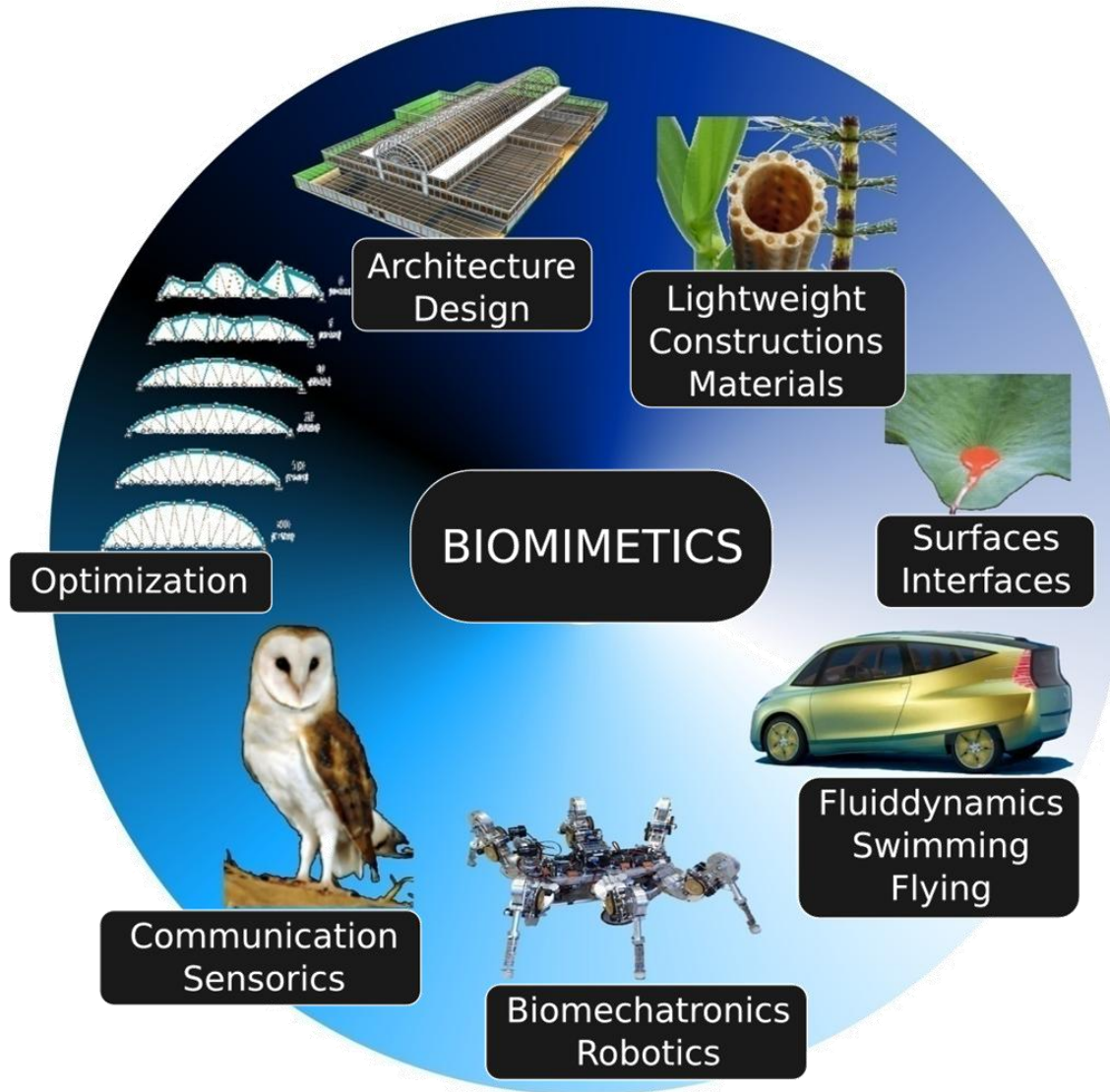


... using sub-micron particles as building blocks:



Materiomics for Lightweight Structures

Robin Seidel



Molecular Materiomics

Renata Pasqualini

