



Contribution ID: 30

Type: **Talk**

Synthesis and characterization of faceted bimetallic nanoparticles

Thursday, 17 March 2022 09:00 (20 minutes)

Nanoparticles of noble metals are of great importance as they present diverse applications in several fields. However, bimetallic nanoparticles of noble metals are showing an advantage over monometallic ones, especially those with defined shape and size due to their improved properties. In this work, core-shell nanocubes consisting of two coin metals, e.g. silver (Ag) and gold (Au), were synthesized and fully characterized with spectroscopic, analytical and microscopic techniques.

Primary author: KARATZIA, Aikaterini (University of Duisburg-Essen)

Co-authors: LOZA, Kateryna (University of Duisburg-Essen); Dr PRYMAK, Oleg; EPPLÉ, Matthias (University of Duisburg-Essen)

Presenter: KARATZIA, Aikaterini (University of Duisburg-Essen)

Session Classification: Nanoparticles and Interfaces

Track Classification: Main conference: Surfaces, Interfaces, Thin Films, Nanoparticles