

## 2. Symposium of the Research Unit

September 28 – 29, 2017

Venue: Hanse-Wissenschaftskolleg (HWK) - Delmenhorst

### Agenda

Thursday, September 28, 2017

Shuttle service from the Hotel to HWK – pick-up 8.30 a.m.

time	
9:00 – 9:30	<i>Marcus Bäumer, speaker:</i> Welcome and short overview over the first 3 years of the Research Unit “Nanoporous Gold”
9:30 – 10:00	<i>Andreas Rosenauer:</i> The structure of npAu: a detailed TEM investigation
10:00 – 10:30	Coffee break (30 min)
10:30 – 11:15	<i>Guest lecture: Bjørk Hammer</i> Automated DFT investigations of shape and activity of supported nano-scale Au particles
11:15 – 11:45	<i>Lyudmila Moskaleva:</i> Structure and surface chemistry of npAu: a theoretical study
11:45 – 13:15	Lunch break (90 min)
13:15 – 14:00	<i>Guest lecture: Jürgen Behm</i> Oxidation reactions on (supported) Au nanoparticle catalysts
14:00 – 14:30	<i>Thomas Risse:</i> Insight into the surface chemistry of gold from UHV model experiments
14:30 – 15:00	Coffee break (30 min)
15:00 – 15:45	<i>Guest lecture: Jennifer Edwards</i> Catalysis by Gold
15:45 – 16:15	<i>Arne Wittstock:</i> Catalysis with npAu under ambient conditions
16:15 – 18:00	<i>Poster session</i>
18.00 – 20.00	Dinner at HWK

**Friday, September 29, 2017**

*Shuttle service from the Hotel to HWK – pick-up 8.30 a.m.*

time	
9:00	Plenum
09:15 – 10.00	<i>Guest lecture: Peter Strasser</i> Size, strain, and shape effects in nanoalloy electrocatalysis
10:00 – 10:30	<i>Jörg Weissmüller:</i> Elektrocatalysis and strain-induced catalysis
10.30 – 11.00	Coffee break (30 min)
11:00 – 11:30	<i>Gunther Wittstock:</i> Electrochemistry with npAu
11:30 – 12:15	<i>Guest Lecture: Erkin Şeker</i> Nanoporous gold as a multifunctional biomedical device coating
12:15 – 13:30	Lunch break (75 min)
13:30 – 14:00	<i>Dieter Wöhrle:</i> Organic functionalization of npAu
14:00 – 15:00	<i>General discussion</i>
15:00 – 15:30	Coffee break (30 min)
15:30	End and departure