



G O L D 2 0 0 9

# The 5th International Conference on Gold Science, Technology and its Applications

University of Heidelberg, Germany Sunday 26 – Wednesday 29 July 2009

## Invited speakers

### ●●●● Venue

With its glorious natural setting, a wonderful castle, historic old town and a beautiful river set in the midst of rolling hills, Heidelberg is regarded as one of the most attractive cities in Germany. It is also a progressive city of international importance in the fields of science, research and business. Not only is Germany's oldest university based in Heidelberg (the venue for the conference), but so are a number of outstanding research institutions and industrial companies. It is a truly wonderful setting for GOLD 2009 and we look forward to welcoming you to see for yourself!

### ●●●● Key dates

Notification of acceptance  
2 April 2009

Final programme announced  
15 April 2009

Conference  
26-29 July 2009

Abstracts for posters can be submitted via the website up to the start of GOLD 2009.

### ●●●● Students

Special student rates for conference attendance have been announced on the conference website.

The Organisers are pleased to announce the following invited speakers for GOLD 2009 confirmed to date.

### Opening plenary presentations

The conference will begin on Sunday afternoon, 26th July, with three plenary presentations:

- Peter Kondos, Barrick Gold, *Overview of gold mining and extraction and current issues* (title tbc)
- Christian Hagelüken, Umicore, *Recycling of gold from electronics* (title tbc)
- Christiane Eluère, Musée De France, *Ancient Gold of Continental Europe*

### Main conference sessions

#### Plenary presentations

- Richard Puddephatt, University of Western Ontario, *Molecular engineering in gold chemistry: From molecules to polymers and network materials*
- Paul Mulvaney, University of Melbourne, *Single gold nanocrystal spectroscopy - Steps towards active plasmonics*
- Pietro Cavalotti, Politecnico Milano, *The art and future of gold electroplating* (title tbc)
- Wayne Goodman, Texas A & M University, (title tbc)
- Masatake Haruta, Tokyo Metropolitan University, *A New Frontier in Heterogeneous Catalysis: Gold Clusters*
- Dean Toste, UC Berkeley (tbc)
- Graham Hutchings, Cardiff University, *Nanocrystalline gold catalysts for selective chemical synthesis*

### Keynote presentations

- Luigi Messori, University of Florence (Gold cytotoxicity)
- Mohammad Omary, University of North Texas (Gold luminescence)
- Konrad Seppelt, University of Berlin, *Gold Fluorides and their role in Metal-Xenon Compounds*
- Boonrat Lohwangwatana, Chulalongkorn University, *Design and Synthesis of Gold Metallic Glass and its Applications*
- Tobias Müller, W. C. Heraeus GmbH, *Gold wire bonding in microelectronics - an overview*
- Brahim Lounis, Université Bordeaux, *Optical detection of individual gold nanoparticles*
- Ulrich Heiz, Technische Universität München, *Catalysis of Gold: Each atom counts!*
- Didier Astruc, Université Bordeaux, *Interplay between Gold Nanoparticles and Dendrimers*
- Vincent Rotello, University of Massachusetts, *Gold Nanoparticles as Diagnostics and Therapeutics*
- Mikael Käll, Chalmers University of Technology, *SPR goes nano : using gold nanostructures for efficient refractive index sensing*
- Avelino Corma, Universidad Politécnica de Valencia, *Gold (III)-Metal organic frameworks for bridging the gap between homogeneous and heterogeneous gold catalysts*

[www.gold2009.org](http://www.gold2009.org)

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