

Symposium Size Selected Metal Cluster Spectroscopies (SYMC)

jointly organized by
the Atomic Physics Division (A),
the Molecular Physics Division (MO), and
the Mass Spectrometry Division (MS)

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Isolated atomically precise metal clusters – in particular those of transition metals – and metal-molecule complexes form a fascinating microscopic world on their own. They provide for unique properties that relate to and interpolate between atomic and bulk metal properties. Scaling laws help to interpret, and non-scalable exceptions superimpose in numerous cases which are hardly predictable. The selection of speakers of this symposium provides for a good representation of research at the very forefront in this area. The outreach is manifold and will be highlighted by the individual contributions.

Overview of Invited Talks and Sessions

(Lecture hall Paulussaal)

Invited Talks

SYMC 1.1	Thu	11:00–11:30	Paulussaal	Infrared spectroscopic studies of molecular activation at metal clusters — ●STUART MACKENZIE
SYMC 1.2	Thu	11:30–12:00	Paulussaal	Dynamic metal-metal cooperation in chemical reactions — ●JANA ROITHOVÁ
SYMC 1.3	Thu	12:00–12:30	Paulussaal	A closer look at the electronic structure of simple metal clusters — ●BERND VON ISSENDORFF
SYMC 1.4	Thu	12:30–13:00	Paulussaal	IR action spectroscopy of metal clusters, complexes and diatomics with free electron lasers — ●ANDRÉ FIELICKE

Sessions

SYMC 1.1–1.4	Thu	11:00–13:00	Paulussaal	Size Selected Metal Cluster Spectroscopies
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