

15th Zsigmondy Colloquium 2019



Photo: Participants at the 15th Zsigmondy Colloquium in Dresden

The annual conference for young scientists took place during July 10-12, 2019, for the first time at [Leibniz-Institut für Polymerforschung \(IPF\)](#) in Dresden. The Zsigmondy-Colloquium addresses young researchers at the PhD student and postdoc level in the field of colloids, surfaces und interfaces. The conference series is named after the Austrian-Hungarian chemist Richard A. Zsigmondy (born 1 April 1865 in Vienna, died 23 September 1929 in Göttingen), who is known as researcher in the field of colloidal chemistry and microscopy and as Nobel Laureate in Chemistry (1925). Helmut Möhwald (Max Planck Institute for Colloid and Interface Science, Golm) initiated the conference series.

The [Zsigmondy Colloquium 2019 at IPF Dresden](#) covered various topics, such as the synthesis of colloidal particles, their multi-scale assembly, their optical and electronic properties and the properties as functional materials. Colloidal particles are dielectric, metallic or semi-conducting nanoparticles. Via controlled self-assembly, these colloids can acquire special spectroscopic and optical properties. Such material properties are also part of the [Freigeist research group of Dr. Tobias A.F. König](#), who has organized the conference. The event had about 90 participants. The scientific program consisted of 34 oral contributions, two invited lectures, and 36 poster contributions.



Photo: Invited speakers Prof. Dr. Paul Mulvaney, University of Melbourne, Australia, and Prof. Dr. Silvia Vignolini, University of Cambridge, UK

The prize for the best oral presentation was awarded to Hanbo Yang (third from the right), University of Melbourne. The prizes for the best posters in the categories gold, silver and bronze were awarded to Fabian Schröer (center), HHU Düsseldorf, Teresa Walter (third from the left), FAU Erlangen-Nürnberg and Dimitri Wilms (second from the left), HHU Düsseldorf.



Photo: Award of the prizes for the best presentations

The Zsigmondy Colloquium established a connection between „classical colloid scientists“ und „semiconductor-nanocrystal researchers“. These two communities were also represented in the organizing committee [chair Dr. Tobias A. F. König (Colloidal Nanophotonics, IPF), Prof. Dr. Andreas Fery (Institute of Physical Chemistry and Polymer Physics, IPF) and Prof. Dr. Alexander Eychmüller (Physical Chemistry, TU Dresden)] and the advisory board [Priv.-Doz. Dr. habil. Alla Synytska (IPF), Dr. Günter K. Auernhammer (IPF), Prof. Dr. Nikolai Gaponik (TU Dresden) and Dr. Vladimir Lesnyak (TU Dresden)].