

## "Spray Flame Synthesis" Workshop

Date: Tuesday, 15.06.2021

Venue: Online via Zoom

### Agenda

- 9:30 am Dr. Hartmut Wiggers  
Fundamentals of nanoparticle synthesis in the gas phase
- 10:00 am Prof. Dr. Christof Schulz  
Research on spray flame synthesis of nanoparticles with in the SPP1980
- 10:45 am Sadrollah Karaminejad  
Flame Stability of the SpraySyn Flame
- 11:00 am Niklas Jüngst  
Droplet explosions in the spray flame
- 11:15 am Yusuf Ali  
Spray-flame made ion conductors for solid-state batteries
- 11:30 am Mohaned Hammad  
Spray-flame made superparamagnetic particles for medical diagnostics
- 11:45 am Steven Angel  
Spray-flame made materials for catalysis
- 1:00 pm Online Lab Tour  
Steven Angel: Gas-phase synthesis lab [25 min]  
Sadrollah Karaminejad, Niklas Jüngst: SpraySyn lab [25 min]