

DR. SEBASTIAN WUSTER

**DYNAMICS OF ULTRACOLD SYSTEMS WITH EMBEDDED HIGHLY
EXCITED RYDBERG ATOMS**

The workshop was organised by Dr. Sebastian Wuster on 22th-24th October 2018. This workshop main aim was to bring together researchers working on various aspects of cold Rydberg atomic physics for quantum simulations and quantum impurities in cold gases. While we established a focus on Rydberg atoms in cold gases and Bose-Einstein condensates, we also included talks on other impurities such as ions and molecules as well as non-cold atom talks on subjects that were the target of future quantum simulations.

The targeted audience were physicists working on the topics above including post-graduate researchers as well as graduate and senior-level physics students. In the framework of the funding guidelines we made arrangements for invited speakers from India and Germany as well as local researchers, but we encouraged additional contributed submissions of posters or talks.