In recent years there has been significant progress in the experimental and theoretical understanding of solid phase transformations, as exemplified by the recent systematic search for and discovery of ultra-low hysteresis alloys. Interfaces involving complex microstructures are generated by such transformations, accompanied by avalanches of acoustic emissions. The conference will bring together both leading experts and early career researchers to further advance the constructive interplay between theory and experiment on these topics.

Partial transformation in Zn$_{45}$Au$_{30}$Cu$_{25}$, an alloy satisfying the "cofactor conditions", as seen in the optical microscope (Courtesy Xian Chen, HKUST)

Early career researchers (graduate students and post-docs) can present a poster of their work. See the website for details.

Support for early career researchers (graduate students & post-docs) is available. See the website.

Full Details:  
www.maths.ox.ac.uk/r/hiaconference