

# MAGIC<sup>+</sup> WORKSHOP

## Magnetism, Interactions and Complexity

Invited

### **Magnetic Skyrmions in new materials**

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In this talk, Dr. Yan Zhou will discuss his recent work of magnetic skyrmions in new material systems. It is shown that the skyrmion Hall effect can be partially or completely suppressed in ferri-, antiferro- or frustrated materials in comparison to ferromagnetic materials, making magnetic skyrmions in the new systems suitable for memory applications. He will also highlight their potential device applications.