"Towards PDE-based Video Compression".

Abstract: In recent years, established transform-
based codecs in image
compression such as JPEG have been challenged by
methods relying on
interpolation with partial differential equations
(PDEs). Since
real-time performance is challenging for these
methods, transferring
their ideas to video compression is far from trivial.
In my talk I will
present first steps towards efficient video codecs
based on PDEs by
introducing a general framework and a corresponding
proof-of-concept codec.