

## Atomic Vibrations in Metal Nanostructures

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CV:

2001 PhD Duisburg-Essen

2001-2003 Chemical Engineering, UC Santa Barbara

2004- Associate Professor, Physics, UCF

**Research:** Novel physical and chemical properties of size- and shape-selected nanoscale materials; structural, electronic, magnetic, vibrational, and chemical properties of nanostructures and their interplay, with emphasis on advancements in nanocatalysis