

# Physics

## Marisol Alcántara Ortigoza, Ph.D

Assistant Professor, Physics

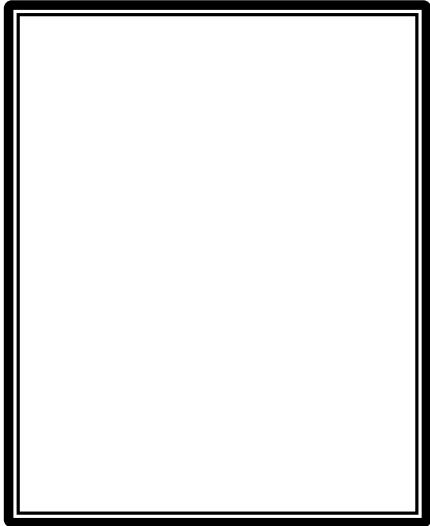
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### Biographical Sketch:

Professor M. Alcántara Ortigoza received her Ph.D in Theoretical and Computational Condensed Matter from Kansas State University. She has been a Research Associate PhD coadvisor, and Studio-Mode Physics Instructor at University of Central Florida, as well as a Visiting Scientist at the Karlsruhe Institut für Technologie (Germany) and the Donostia International Physics Center (Spain). She is (

### Research Fields:

- x Electro and heterogeneous catalysis
- Materials rational design
- x Chemical and thermodynamic stability of surfaces and nanoparticles
- x Magnetic properties of nanoparticles at their dipolar interactions
- x Homo- and heteroepitaxy
- x Topological Insulators

### Collaborations:

University of Central Florida

- x Prof. Talat S. Rahman
- x Prof. Sergey Stolbov
- Karlsruher Institut für Technologie
- x Dr. Klaus Peter Bohnen
- x Dr. Rolf Heid
- Max-Planck-Institute, Solid State Research
- x Dr. Christian Ast