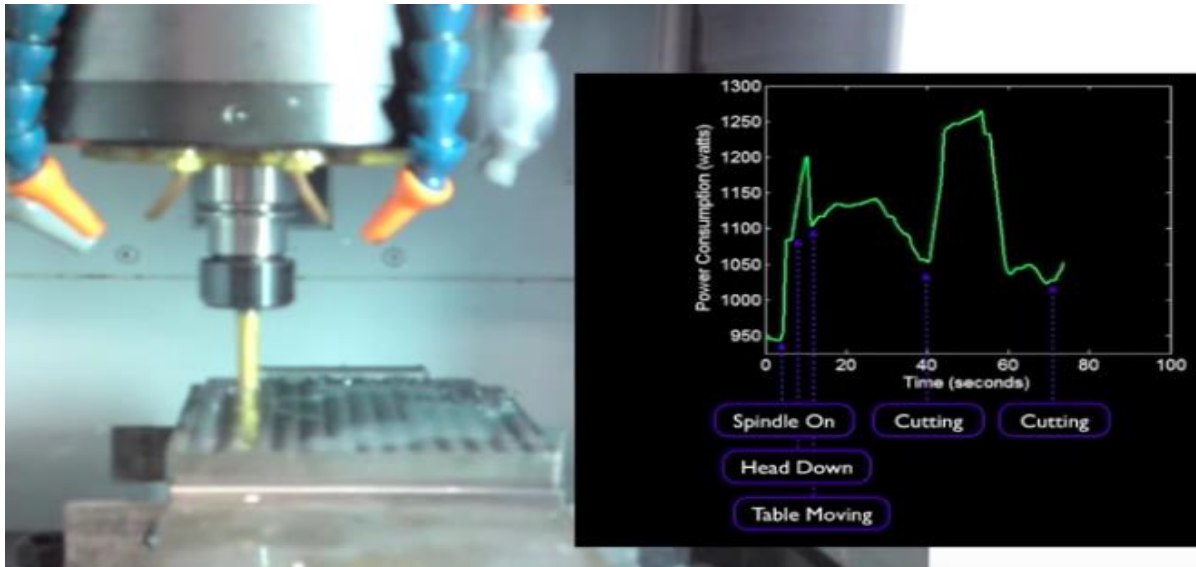


# Data-driven Modeling for Smart & Sustainable Manufacturing



Dr. Nancy Diaz-Elsayed has one opening for a Ph.D. student in the Fall of 2020. The research will investigate how environmental and process conditions influence the productivity and degradation of manufacturing equipment and their sub-systems. Modeling techniques include machine learning, computational fluid dynamics, and life cycle assessment and costing.

Candidates who have experience with:

- The assembly and repair of engineered systems,
- The development of smart applications or connected devices, and/or
- Machine learning, Computational Fluid Dynamics, or other modeling techniques

are strongly encouraged to apply.

To apply, please email 1) a cover letter highlighting your interests and qualifications, 2) a resume including relevant coursework and skills (e.g., familiarity with modeling techniques, programming languages, and/or production equipment), and 3) the contact information for two references to Dr. Nancy Diaz-Elsayed ([nancyd1@usf.edu](mailto:nancyd1@usf.edu)).

All applicants must satisfy USF graduate program admission requirements:

<https://www.usf.edu/admissions/index.aspx>.