

## Mohamed Badawy, PhD

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or advanced electric vehicles and renewable energy systems.

### Professional Experience

**San Jose State University, Electrical Engineering Department, San Jose, CA.**

**August 2016 - Present**

*Assistant Professor and Director of the Center of Power Electronic Converters (CPEC)*

#### Teaching experience

Semiconductor Power Electronics.

Automatic Control Theory.

Advanced Power Electronics.

Selected Topics in Renewable Energy Systems and Electric Vehicles.

#### Research experience

Establishing and directing the CPEC at the electrical engineering department.

Introducing hardware projects to the power electronic students in the department.

Advising senior students in graduation projects.

Working on research topics with graduate students in the power electronics and control systems area.

**University of Akron, Electrical Engineering Department, Akron, OH.**

**September 2010 – August 2016**

*Graduate assistant*

#### Teaching experience

*Classroom teaching* Class teacher assistant for Basic Electrical Engineering, Digital Logic Design, Energy Conversion, and Senior Design courses. Work duties included:

*Lab instructing* Lab teacher assistant

