

## Michael J. Wenzel

### Patent Engineer

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Michael Wenzel brings an extensive background in electrical engineering; physical modeling of systems, equipment, and devices; control systems; data analysis; artificial intelligence and algorithm development; and intellectual property protection to his role as a patent engineer in Foley's Electronics Practice. His experience allows him to effectively review invention disclosures and collaborate with attorneys to develop IP protection strategies for clients throughout the patent application process.

Before joining Foley, Michael held a director position at a global manufacturer specializing in building technologies and solutions. In this role, he led a team of engineers responsible for developing new features and providing product support for optimization software used in central utility plants. His team's work involved designing algorithms for optimal control and fault detection, as well as partnering with product development engineers and the user experience design team (UI/UX) to integrate these algorithms into the main product line.

Michael is also an assistant adjunct professor at the Milwaukee School of Engineering, is a named inventor on more than 100 patents, and has several publications in peer-reviewed journals, including the *Journal of Applied Physics*.

## Practice Areas

- [Electronics](#)

## Education

- Marquette University (Ph.D., 2009)
  - Electrical and computer engineering
  - Dissertation title — "Polymer-coated and polymer-based microcantilever chemical sensors: analysis and sensor signal processing"
- Marquette University (M.S., 2006)

- Electrical and computer engineering
- Thesis title — “Modeling the transient response of microcantilever sensors and analyte classification using estimation theory”
- Milwaukee School of Engineering (B.S., 2004)
  - Electrical engineering