



Bogdanor accepts new role as director of Composites Virtual Factory

Michael Bogdanor has been named the director of the Composites Virtual Factory (CVF), effective July 1. Part of the Composites Manufacturing & Simulation Center (CMSC), the virtual factory is a collection of software tools, or integrated workflow applications, that facilitates the manufacturing-informed design of composite components.

Bogdanor, who began working at Purdue in January 2016 as a senior software application engineer, holds a B.S. in civil engineering from Villanova University and a Ph.D. in civil engineering from Vanderbilt University. He is the current director of the Composites Design Studio (CDS), also a part of



Dr. Michael Bogdanor

the CMSC, where he oversees a team of graduate students employing composites simulation tools to support research projects with industry partners through the Institute for Advanced Composites Manufacturing Innovation (IACMI). Bogdanor also leads multiple projects for Purdue within IACMI on a range of composite material systems that are tied together by the Design for Manufacturing Informed Performance thread.

As the director of the CVF, Bogdanor will lead the development of integrated workflow applications for composites manufacturing processes. His duties will include engaging end users in the automotive, aerospace, and sporting goods industries to provide optimal user experience with the CVF. He also will work closely with software vendors to drive development of new simulation tools and will oversee a team of undergraduates, graduate students, and professional staff in developing the CVF.

"The Composites Virtual Factory is an exciting opportunity to leverage the expertise and experience developed in the CMSC to deliver value to our industrial partners," said Dr. Bogdanor. "We are transforming the way that professionals across the composites value chain interact with simulation. By providing the connection between design software, manufacturing process simulation, and performance analysis, the CVF is empowering the next generation of composites development."

The Indiana Manufacturing Institute, located in the Purdue Research Park north of campus, houses the CMSC, CDS, and the CVF.