

**William Karstens IV**

**Present Position:** Professor of Physics  
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**Biographical Information:** Dr. Karstens received his PhD in Materials Science from the University of Vermont in 1990. He is currently professor of Physics at Saint Michael's College in Colchester, Vermont.

His research centers on the application of general theorems to the optical properties of solids, especially in the context of analyzing and sorting out available data. This has found a wide range of application, from developing a self-consistent set of optical constants for crystalline silicon and understanding the optical characteristics of glass to clarifying numerical analysis and modeling of infrared behavior.

He is presently faculty advisor to the Saint Michael's College chapters of the Society of Physics Students and the Sigma Pi Sigma Physics Honor Society.