

## FACULTY PROFILE



# Bruce Hrivnak

**Professor**

NSC 140219-464-  
5379 [Bruce.Hrivnak@valpo.edu](mailto:Bruce.Hrivnak@valpo.edu)

## Website

<http://www.physics.valpo.edu/faculty/bhrivnak/>

## Education

Ph.D. Astronomy & Astrophysics -  
University of Pennsylvania 1980  
B.A. Physics - University of Pennsylvania  
1971

## Research Interests

Multi-wavelength observational studies  
of evolved stars

Photometry and spectroscopy of binary  
star systems

## Current Research

Light and velocity variability in  
proto-planetary nebulae

Mid-IR spectroscopy of evolved stars in  
the Milky Way Galaxy and in the Large  
Magellanic Clouds

Using H<sub>2</sub> to probe the nebular structure  
in proto-planetary nebulae

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