

# WILLIAM BENTER DISTINGUISHED LECTURE SERIES

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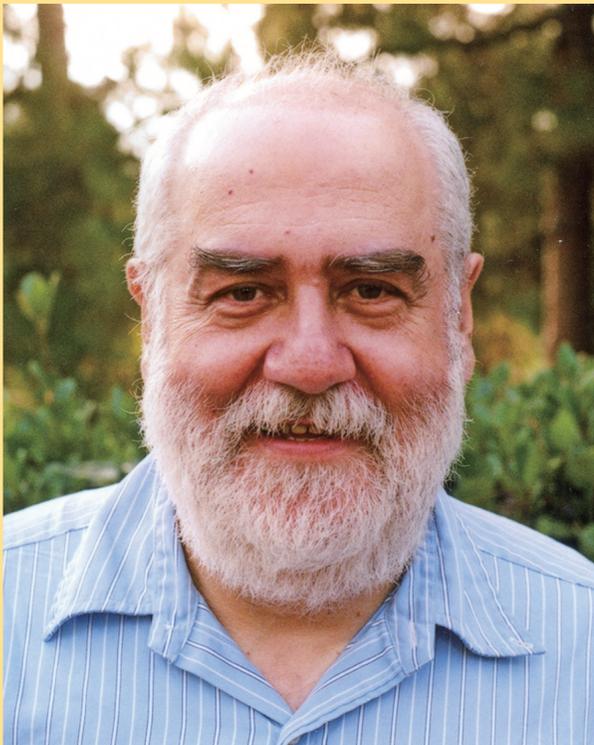
## Harry Potter's Cloak Via Transformation Optics

by

### Professor Gunther Uhlmann

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The Hong Kong University of Science and Technology

Walker Family Endowed Professor of Mathematics,  
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### Abstract

Can we make objects invisible? This has been a subject of human fascination for millennia in Greek mythology, movies, science fiction, etc including the legend of Perseus versus Medusa and the more recent Star Trek and Harry Potter. In the last thirteen years transformation optics, a very simple mathematical method, was proposed as a general procedure to achieve invisibility for several types of waves. We will describe this method and applications in this talk.

Date : Thursday, 23 February 2017

Time : 16:30

Venue : SCOPE Lecture Theatre

LG, School of Continuing and Professional Education

Academic Exchange Building

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