

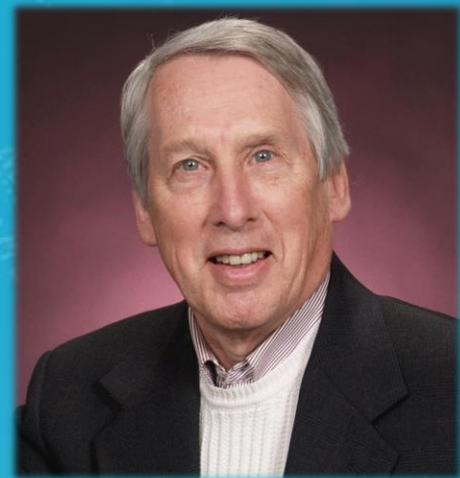


COLLEGE OF
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WES TUNNELL DISTINGUISHED SPEAKER SERIES PRESENTS

Kenneth A. De Jong, Ph.D.

Friday, March 22, 2019
IH Room 160, 3:30 pm



“High-Performance Evolutionary Algorithms”

The success of the use of evolutionary algorithms to solve difficult computational problems has led to its continued application to problems of increasing size and complexity. The result is that standard “off-the-shelf” EAs often generate less than adequate performance both in the time required to find acceptable solutions and/or the quality of the final results. If one adopts a “no free lunch” perspective, successful applications will require the EA practitioner to match EA algorithm properties with the properties of the applications.

In this talk I will describe such a matching framework and illustrate its use in designing high-performance EAs for a number of difficult computational problems.