

# Physics Colloquium

## Computational Physics, An Improved Path for Physics Education?

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Evidence of the need for a change in physics education will be presented. It will be argued that computational physics provides a broader, more balanced and more flexible education than the traditional physics major. A survey of all computational science programs in the USA will be presented, as will be details of the BS in Computational Physics program at Oregon State University and of the educational materials developed. It will be proposed that presentation of physics within a computational problem-solving paradigm is a more effective and efficient way to teach physics than the traditional one.

**Thursday, October 22, 3:30pm,  
SCI 234**

**Refreshments will be served in Sci 103 at 3:00pm**