

# COMPUTATION IN PHYSICS WORKSHOP AT IUPUI



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## DETAILS:

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Date: June 10, 2023, 9:30 am-3:30 pm  
Location: IUPUI Campus, Indianapolis, IN.  
Meeting location: Innovation Hall, 625 W. Michigan St. – room 101  
Parking: Gateway Garage, 525 N. Blackford St.

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## SCHEDULE:

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Marie Lopez del Puerto, Univ. of St. Thomas, MN: *“The PICUP\* Community and Resources: \*Partnership for the Integration of Computation into Undergraduate Physics”*

Andy Gavrin, IUPUI: Computation in AP and Introductory Physics

Gautam Vemuri, IUPUI: Computation in Upper Division Physics

Lunch

Steve Spickelmire, U Indy: Computation in the Physics Lab

Gavrin and/or Vemuri: Assessment of Students' Attitudes and Learning about Computation

Gavrin and/or Vemuri: Incorporating Computation as a Case Study in Departmental Change

Participant Roundtable: Share your thoughts/ideas/concerns about Incorporating Computation

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## WHO SHOULD ATTEND?

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All physics instructors from high schools, two-year colleges, 4-year colleges and universities who are interested in including a computational component in their classrooms are welcome. This NSF supported workshop is free, and will include parking on the IUPUI campus, workshop materials, and lunch.

The workshop will offer multiple resources to attendees to add computations in their courses, among them an introduction to PICUP (<https://www.compadre.org/PICUP/>), hands on activities that they can take back to their institutions, and assessment tools. A roundtable with all participants will be part of the program where attendees can discuss their ideas, efforts, and questions related to computing in the curriculum. Attendees will also benefit from getting to know others who are interested in computing in the physics curriculum, and network with others with similar interests.

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## REGISTRATION FORM

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Please click here to register: <https://forms.gle/sHkjHPYsa1E6wWv86>

### Questions? Need help?

If you have any questions, or would like more information, please do not hesitate to contact one of the workshop coordinators:

Andy Gavrin, IUPUI, [agavrin@iupui.edu](mailto:agavrin@iupui.edu)

Gautam Vemuri, IUPUI, [gvemuri@iupui.edu](mailto:gvemuri@iupui.edu)