

For a calendar of technical society meetings in the Mid-Hudson Valley go to:

<https://pok.acm.org/community.html>

## Poughkeepsie Chapter of the Association For Computing Machinery



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      aaa          ccccccc      mmmmm  mmmmm
     a  a          cc      cc      mm mm  mm mm
    aa  aa        cc      c      mm mm mm mm
   aaaaaaaaaa    cc          mm  mmm  mm
  aa  aa        cc      c      mm  m  mm
 aa  aa        cc      cc      mm          mm
aa  aa        ccccccc      mm          mm

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**MEETING NOTICE**

*Free and open to the public*



**Topic:** How To Fix Math Education

**Speaker:** Irvin M. Miller, Ph.D.

**When:** Monday, January 13<sup>th</sup>, 2025, 7:30 pm

**Where:** Marist College, Hancock Center, Room **2023**

**Directions:** Building **6** on the map at <https://www.marist.edu/about/map>

**Parking:** Please park at: 1) Lot P7, north of Hancock Center (#6 on map) {we are permitted to park there in spite of the signs}, or, 2) Lot P2 on south-east corner of Route 9 and Fulton St. -- take staircase at south-west corner of lot P2, and tunnel under Route 9.

**About the Topic:** I have been studying videos on YouTube where mathematicians give misleading or incomplete solutions to exotic math problems. I have noticed that they have been taught the same mathematical nonsense as I was. I started analyzing the way math is taught and providing alternate approaches. I will reference some of them.

I will start with the concept of zero and show how the concepts taught lead to poor understanding of math. This is a major update to my September, 2023, talk. Then I use the Pascal triangle to show what has been left out and discover an infinite inverse math series that covers the full range of the function  $1/(1+x)$ . I will then discuss negative factorials and use the Google and Microsoft Calculators to find errors in the Google Calculator.

**About the Speaker:** Irvin Miller has a Bachelor of Science in Electrical Engineering and a Ph.D. in Physics. He has worked for IBM, Vassar College, SUNY New Paltz, and the Wappingers Central School District. Irv developed an exhibit for the New York Stock Exchange Visitor Center, designed the front cover for an IBM Annual Report, and holds a patent in computer graphics. Irv is the Director of the Math & Physics Exploration.

### More Information:

**Cost:** Our meeting is **Free** and **open to the public**.

Attendees should RSVP at [Meetup.com](https://www.meetup.com).



**Dinner:** 6:00 pm, Palace Diner, 845.473.1576  
Map and menu: [www.thepalacediner.com](http://www.thepalacediner.com)  
All are welcome to join us for dinner.



We thank Marist College for hosting the chapter's meetings.

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