

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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 a a cc cc mm mm mm mm
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Topic: **Algorithmic Art: Converting Math into Motion**

Speaker: **Ed Nisley**

When: **Monday, January 27th, 2020, 7:30 pm**

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

Directions: **Building 14 on the map at <http://www.marist.edu/about/map.html>**

Parking: Please park at black dot #10 on <http://www.marist.edu/about/map.html> (the lot North of the Hancock Center #14) or in the lot on the South-East corner of Route 9 & Fulton St. (S/E of the former Main Entrance).

About the Topic: HP-GL and G-Code programs, once written by humans, now serve as intermediate files conveying tool paths from higher-level programming languages to CNC machines. This talk will explore those specialized machine-control languages in their role between pure mathematics and the hardware producing tangible Algorithmic Art.

During the presentation, Arduino microcontrollers will turn trigonometry into soothing LED colors, Raspberry Pi computers will plot Superformulas and engrave Spirograph patterns, and pass-around / take-home examples should pique your interest. Grubby reality may conflict with the eternal correctness of mathematics in amusing ways, because entropy always wins.

About the Speaker: Ed Nisley worked for IBM during the final Good Old Days, quit before it became fashionable, and has worked on interesting, useful, and amusing projects ever since. He fixes broken things, writes the Along the G-Code Way column for Digital Machinist magazine, and tinkers with hardware & software & firmware. Being that type of guy, he rides a recumbent bicycle festooned with 3D printed parts and amateur radio gear.

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

Dinner: **6:00 pm, Palace Diner, 845.473.1576**
Map and menu: 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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