



```

      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

```

MEETING NOTICE

Free and open to the public



Topic: The Hill Cipher

Speaker: Frank Rubin

When: Monday, September 20th, 2021, 7:30 pm

Where: In Cyberspace

Directions: To obtain the URL for this video conference, you **must** register to attend through *Meetup.com/ACM-Poughkeepsie/*

<https://meetup.com/ACM-Poughkeepsie/events/280176508/>

Once you've done so, your Zoom link will appear on Meetup's page for this event.

About the Topic: The Hill Cipher is a matrix-based cipher from the 1920's. It was the first cipher to incorporate mathematical concepts, hence the first cipher of the mathematical era in cryptography. The Hill Cipher can be the basis for modern ciphers that are simpler, faster and more secure than the current Advanced Encryption Standard (AES).

About the Speaker: Frank Rubin has an M.S. in mathematics, and a Ph.D. in computer science. He has been involved with computers for more than 60 years, and with cryptography for even longer. He is the owner of Master Software Corporation, which produces high-security encryption software. He is the author of the forthcoming book Unbreakable Cryptography.

Cost: Our meeting is **Free** and **open to the public**
Dinner: Because our meeting is virtual, we will **not** hold our normal dinner beforehand at the Palace Diner.

We thank Marist College for providing web conferencing service.

P - L - E - A - S - E P - O - S - T

