

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



```
      aaa          cccccc      mmmm mmmm
      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: Solving Linear Congruences

Speaker: Frank Rubin

When: Monday, March 15th, 2021, 7:30 pm

Where: In cyberspace. To obtain the URL for this video conference, you must register to attend through the Meetup.com announcement, <https://meetup.com/ACM-Poughkeepsie/events/276738918/>. Once you've done so, your Zoom link will appear on Meetup's page for this event.

About the Topic: With the growing use of public key cryptography, the need to produce public/private key pairs is ever-increasing. As the ability to factor large numbers improves, the prime numbers which are used get ever-larger. Key pairs are created by generating very large primes, and then finding their inverses. Finding these inverses is a special case of solving a linear congruence. Fast algorithms are needed for generating the key pairs efficiently.

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 book *Unbreakable Cryptography*.

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

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

