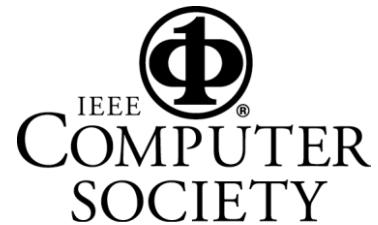


PRINCETON ACM / IEEE-CS CHAPTERS  
MARCH 2025 JOINT MEETING



## Fun With $\pi$ (Pi): A Potpourri of Pilish Algorithms

Since its first documented appearance about four millennia ago, the number  $\pi$  has become not just an oft-encountered constant in mathematics and physics but a cultural phenomenon, with numerous appearances in books, artworks, TV shows, and films. This talk will discuss a handful of these somewhat recreational aspects of  $\pi$ , each of which turns out to have non-trivial connections to serious mathematics and/or computer algorithms. Among our topics will be curious features of  $\pi$ 's digits, memorizing the digits using a human-based algorithm,  $\pi$  in graphic design, the most beautiful digit-computing algorithm, and the wonders of Pilish: a constrained dialect of English in which the number of letters in successive words matches the digits of  $\pi$ .

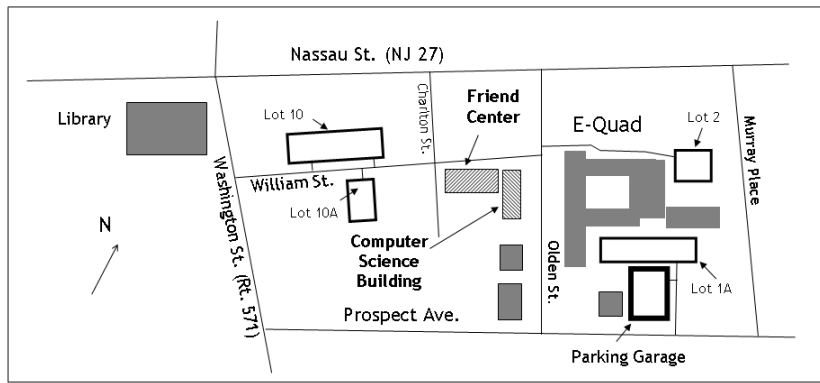
**Michael Keith** is a retired software engineer who was employed at Bell Labs, the David Sarnoff Research Center, Intel, and a small startup (Ambric), focusing primarily on computer graphics and audio/video compression algorithms. His abiding interest in the number  $\pi$  started with Martin Gardner's column in the July 1960 *Scientific American* and grew over the years to include many facets of this fascinating number, such as those that will be discussed in this presentation. Mike's 2010 book of stories and poems, *Not a Wake*, is the only book ever published written entirely in Pilish. Mike also hosts a webpage (<http://www.cadaeic.net>) with links to many useful facts and resources about  $\pi$ .

The *Fun With Pi* event will also feature a performance by **Bill Agress**, who will appear in the guise of Albert Einstein. Bill is the leading Einstein re-enactor on the East Coast. He is the official Albert Einstein for Pi Day Princeton, and he has lectured as Einstein at Princeton University. Bill lives in Lawrenceville NJ, and he is also active as a Revolutionary War re-enactor. Come and ask Bill questions about Einstein's life, as well as about relativity and  $\pi$ ! Learn more about Bill at <https://patriotgenius.com>.

Date:	Thursday, March 20, 2025, 8:00pm EDT
Place:	<b>HYBRID MEETING</b> (both in-person and online)
In Person:	<b>**UPDATED LOCATION**</b> Princeton University Friend Center, Room 006 (lower level) 79 William St., Princeton NJ
How to register for the online meeting:	<ul style="list-style-type: none"><li>• Send email to <a href="mailto:PrincetonACM@gmail.com">PrincetonACM@gmail.com</a></li><li>• OR Register on <b>Meetup.com</b> (<a href="http://meetup.com/IEEE-Princeton-Central-Jersey-Section">http://meetup.com/IEEE-Princeton-Central-Jersey-Section</a>)</li></ul>
Information:	Dennis Mancl (908) 285-1066
On-line info:	<a href="http://PrincetonACM.acm.org">http://PrincetonACM.acm.org</a>

All Princeton ACM / IEEE Computer Society meetings are open to the public. Students and their parents are welcome. There is no admission charge, and refreshments are served.

**Pre-meeting dinner:** For the March meeting, the pre-meeting dinner will be held at 5:30 p.m. at **Salt Creek Grille**, 1 Rockingham Row, Princeton (in Princeton Forrestal Village west of US 1 off of College Rd.). Please send email to [princetonacm@gmail.com](mailto:princetonacm@gmail.com) in advance if you plan to attend the dinner.



**Parking:** After 4pm on weekdays, public parking is permitted in most of the university parking lots near the Computer Science Building.

See the Visitor Parking link on the Princeton Transportation website, <http://www.princeton.edu/transportation/visitors.html>, for a summary of Princeton's policies.

On-street parking on Olden, William, and Charlton requires paying the electronic meters until 8pm.