PRINCETON ACM / IEEE-CS CHAPTERS
MAY 2015 DINNER MEETING

Numbers, Novels, and Nebulae: An Assortment of Algorithmic Applications

Mike Keith

Princeton Chapter of ACM / IEEE Computer Society will close its 2014-2015 season of monthly meetings with our annual dinner meeting.

This talk will be a survey, illustrated with numerous examples, of unusual applications of computer algorithms in recreational mathematics, logology (linguistics and experimental literature), and backyard astrophotography. At this Pi+2 Day (5.14.15) event, attendees will learn about the world's largest alphametic, interesting new applications of the hill-climbing strategy, and the remarkable properties of the "stacking" algorithm that is used to capture amazing photographs of the universe through a telescope.

Mike Keith received his B.S.E.E. from NJIT in 1977 and M.S.E.E. from Stanford University in 1978. He was employed at the David Sarnoff Research Center in the 1980's, where he worked on various projects related to personal computing. At Intel Corporation in the 1990's he invented and implemented digital video/audio compression algorithms, and at Ambric Incorporated in the 2000's he developed massively-parallel software. Mike is the author of 50+ papers and three books, and holds 75 U.S. patents. His Erdos-Bacon number is 7. Mike's Website <www.cadaeic.net> attracts world-wide attention, especially around Pi Day

The May dinner meeting will be the final Princeton ACM/IEEE-CS meeting of the 2014-2015 season. Monthly meetings will resume again in October 2015.

Date:	Thursday, May 14, 2015, 7:00 pm (cash bar at 6:30 pm)
Place:	Grafton House, 110 Edgebrook Rd., Hamilton NJ See directions below
Information:	Dennis Mancl (908) 582-7086
On-line info:	**http://PrincetonACM.acm.org**

ADVANCE RESERVATIONS REQUIRED – please follow instructions below

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To make reservations for the dinner meeting, contact Dennis Mancl (phone (908) 582-7086, email **mancl@alcatel-lucent.com**).

Please make your reservation by May 9. The dinner cost is $30. Bring $30 (cash or check) to the meeting.

Directions to Grafton House:

- Take I-195 to Exit 5A (US-130 South)
- Take the first jughandle (green sign says "Crosswicks-Hamilton Sq Rd / Klockner Rd")
- Turn left on Klockner Rd. (green sign says "Crosswicks-Hamilton Sq Rd")
- Turn left on Marketplace Blvd. (green sign says "To Edgebrook Road North")
- Take the first right (green sign says "To Edgebrook Road North")
- Turn left at the stop sign (onto Edgebrook Rd.)
- Grafton House is 0.5 miles on the left