

IEEE Central Coast – Technical Event – 20 February 2019 @ 6PM

Professor Behrooz Parhami PhD – UCSB ECE presents:

Promoting Technological Literacy through Mathematical and Logical Puzzles

FREE EVENT

Location - Rusty's Pizza

5934 Calle Real, Goleta, CA 93117

6:00 PM – Complimentary Pizza, Salad, Beverage

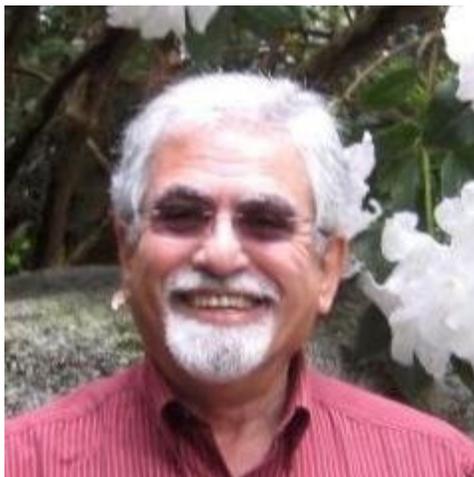
6:25 PM – Central Coast Status

6:30 PM – Professor Parhami's Presentation



Promoting Technological Literacy through Mathematical and Logical Puzzles

Literacy and numeracy, introduced long ago to define the skill sets of a competent workforce are no longer adequate. Literacy is instilled and improved by telling stories that use more and more advanced vocabulary and grammar. The key tool in teaching and advancing numeracy is dealing with real-life problems, be they book-keeping and accounting tasks, analyzing geometric shapes and relationships, or deriving answers from (partially) supplied information. Teaching technical literacy (techeracy) requires a further shift away from story-telling and word problems toward logical reasoning, as reflected in the activity of solving puzzles. I will draw upon my experiences to convey how a diverse group of learners can be brought to understand the underpinnings of complex science and technology concepts such as integrated-circuit layout, recommendation systems, cryptography, and task scheduling.



Professor Behrooz Parhami PhD – UCSB ECE

Behrooz Parhami (PhD, UCLA 1973) is Professor of Electrical and Computer Engineering, and former Associate Dean for Academic Personnel, College of Engineering, at University of California, Santa Barbara, where he teaches and does research in computer arithmetic, parallel processing, and dependable computing. A Life Fellow of IEEE, a Fellow of IET and British Computer Society, and recipient of several other awards (including a most-cited paper award from *J. Parallel & Distributed Computing*), he has written six textbooks and more than 300 peer-reviewed technical papers. Professionally, he serves on journal editorial boards and conference program committees and is also active in technical consulting.

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Register for Event @ <https://events.vtools.ieee.org/m/191915>