# IEEE Southeastern Michigan
Presents:
Why Software fails and AI cannot help…..

It was once widely believed that computers would enhance the speed, reliability, and applicability of human deductive reasoning in the physical and social sciences, much as motorized vehicles (e.g., cars, trains, airplanes) have enhanced the speed, reliability, and applicability of human manual abilities in transportation. Yet, 60 years later, computers can be used confidently only for paperwork tasks, analysis of regularly structured data, and simple process control applications. Complex software rarely satisfies user needs, is untrustworthy and difficult to maintain, and largely opaque to its users. Artificial intelligence (AI) methods including heuristics, machine learning, and statistical methods are in opposition to sound deductive reasoning. This presentation explains certain practical and logical impediments to computer enhancement of human deductive reasoning, the deductive limitations of modern programming languages, the role of AI, and provides some promising alternatives.

Speaker Bio: David A Fisher is a senior life member of the IEEE, emeritus professor at Carnegie Mellon University, and chief engineer at Reasoning Technology LLC. He has had an eclectic career in industry, academia and Government. He is an inventor of programming languages, high performance algorithms and computer architectures.
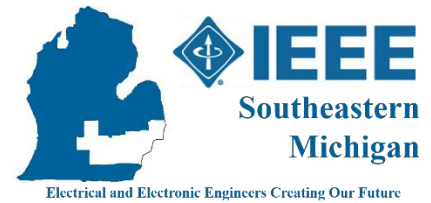
At Glance

- When:
  Date: June 20th , 2024
  Time: 04:00 – 5:15 PM (EST/EDT)

- Where:
  M218 (Buell Building)
  Lawrence Tech Univ,
  21000 W 0 Mile Rd,
  Southfield MI 48075

- Audience: OPEN to ALL*

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