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Lenore has a BS in Mathematics from SUNY New Paltz, and an MS in Solids State Physics and Materials Science as well as a PhD in Computer Science from Syracuse University. Her career spans over 30 years in applications and systems programming, programming language design and implementation, and the verification of hardware and software for array based high performance parallel and distributed scientific computing. She received a NYS Science and Technology seed grant for her dissertation research entitled A Mathematics of Arrays. She spent 3 years at NSF as a Program Officer in CISE CCF Algorithmic Foundations: Numeric and Symbolic Computing. Before coming to NSF she developed courses and curriculum at the undergraduate and graduate level in high performance parallel and distributed scientific computing as a tenured professor in the Computer Science Department at the University at Albany, SUNY. She spent two sabbaticals: at MIT Lincoln Laboratory helping to increase the performance of mission critical signal processing software, and at the University of Glasgow, Scotland, lecturing and teaching about optimizations in array based computing. Prior to UAlbany, she was at the University of Missouri-Rolla where she was awarded the NSF Presidential Faculty Fellowship entitled Intermediate Languages for Enhanced Parallel Performance. She did a post doc at CRIM (Computer Science Research Institute of Montreal) and had an adjunct position at McGill University. She then had a visiting position at the University of Vermont. Prior to her academic career she was a Research Technical Staff member in the APL Design Group at IBM TJ Watson Research Center working with Ken Iverson. She has numerous published articles and a patent with IBM on indexing patterned sparse arrays for microprocessor data caches. She has received research funding from NSERC and NSF throughout her career while collaborating with theoreticians, engineers and physicists.