



## PAUL "PREM" SOBEL

CHIEF TECHNICAL OFFICER  
MERLINCRYPTION

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*Whether serving as a senior scientist or special task force engineer, Paul "Prem" Sobel has dedicated a 40-year career to mission critical projects where protecting sensitive data is paramount.*

Sobel's focus in cryptography began in the 1960's, when he discovered flaws in currently used random number generators and studying limitations of fixed key length encryption algorithms. Sobel began developing a new cryptographic approach that would overcome these weaknesses and invented a new algorithm for testing probability distributions by viewing the data in multiple dimensions.

Sobel's years of research in the foundations of mathematics contributes to the cryptographic development of the new technology for MerlinCryption's stronger Anti-Statistical Block Encryption (ASBE) algorithm with variable key length.

His security work encompasses log management, NAC, super computer design, graphical and audio presentation of Big Data in eleven or more dimensions, and image processing. He has held chief scientist/principal engineer positions at NASA, Xerox, Northrop, Intel, Vitesse, Phillips, and AMD.

Sobel graduated with honors with a B.S.E.E. Electrical Engineering from Pratt Institute, and an M.S.E.E. Electrical Engineering from California Institute of Technology.

He holds three patents in CPU Architecture and one classified patent.