

Short Bio

P. Amato received laurea degree (cum laude) in computer science from the University of Milano in 1997 and the Ph .D. in computer science from the University of Milano-Bicocca in 2013.

He joined Micron in 2010, where he is Distinguished Member of the Technical Staff and the System Architect for Automotive storage solutions. His current focus is on UFS solutions. He is an expert on statistical methods, error correcting codes, and security. From 1998 to 2008, he was with STMicroelectronics (Agrate, Italy). From 2000 to 2005, he led the “Methodology for Complexity” team (a global R&D team of about 30 people located in Milano, Napoli, Catania, Moscow , and Singapore) aimed at developing methods, algorithms, and software tools for complex system management. From 2005 to 2010, he was the Manager of Statistical Methods for the Non-Volatile Memory Technology Development group in ST and Numonyx, and he started the development of ECC solutions for PCM devices. From 2010 to 2018 he has been a System Architect for Mobile storage solutions. From 2018 to 2022 he has been the director of the Memory System Pathfinding team in Vimercate (Italy) focusing on CXL solutions for data center application.

He has authored about 50 papers published in peer-reviewed international journals and international conferences. Dr. Amato has filed around 100 patents.