Peter F. Moulton has worked for more than 35 years to develop and commercialize solid state laser and nonlinear optical devices. In 1982, while at MIT Lincoln Laboratory, he invented the Titanium sapphire tunable solid state laser, which revolutionized the field of ultrafast lasers and helped enable a number of significant scientific and engineering advances. These continue, notably in the area of high-harmonic and attosecond-pulse generation. He helped found what evolved into Q-Peak, Incorporated, in Bedford, Massachusetts, and he led a team of researchers that has transitioned many novel materials and devices out of the laboratory for use in a wide variety of applications, including science, medicine, and defense. His efforts in the development of high-power visible-wavelength sources led to a VC-funded spin-out company, Laser Light Engines, now working to enable large-screen, laser-based digital projectors. Peter continues to innovate, concentrating now on high-power, fiber lasers and ultrafast, mid-infrared laser systems.

An IEEE Life Fellow, OSA Fellow and member of the U.S. National Academy of Engineering, Peter recently retired as the vice-president and chief technology officer of Q-Peak, and remains there as a Principal Scientist. In 1997, he was awarded OSA's R.W. Wood Prize and the IEEE William Streifer Scientific Achievement Award.