This new work presents an eclectic treatment of quantum optics, quantum measurements, and mesoscopic physics. Beginning with the fundamentals of quantum optics, the book then provides scientists and engineers with the latest experimental work in the area of optical measurements.

Professor Yoshihisa Yamamoto has performed his research at Tokyo University, MIT, Stanford and other prestigious institutions before he became professor at Stanford. He teaches various courses on quantum optics and has published more than 350 papers and two books.

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