



Encyclopedia of Laser Physics and Technology

By Rüdiger Paschotta

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This authoritative two-volume encyclopedia (A-M, N-Z) helps to master the large variety of physical phenomena and technological aspects involved in laser technology and the wider field of photonics. Besides explaining in detail the physical principles and common techniques of laser operation, it also addresses such supplementary topics as ultrashort pulses, optical communications, optoelectronics, general optics, and quantum optics. References to selected scientific articles and textbooks aid readers in their further studies, and the cross-disciplinary approach makes this four-color encyclopedia of huge benefit to a wide audience in industry, government, and academic research.

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About the Author

Rüdiger Paschotta is an internationally recognized expert in areas such as lasers and amplifiers, nonlinear optics, fiber technology, ultrashort pulses, and noise in optics. He originally gained this expertise during a successful academic career, and later founded RP Photonics Consulting, providing services to companies within the photonics industry mostly in Europe and the United States. Dr. Paschotta thus combines the detailed expertise of a scientist with the practical sense of someone working mainly on industrial projects.

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