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Sommario/riassunto	The book is devoted to the design, application and characterization of thin films and structures, with special emphasis on optical applications. It comprises ten papers-five featured and five regular-authored by scientists all over the world. Diverse materials are studied and their possible applications are demonstrated and discussed-transparent conductive coatings and structures from ZnO doped with Al and Ga and Ti-doped SnO ₂ , polymers and nanosized zeolite thin films for optical sensing, TiO ₂ with linear and nonlinear optical properties, organic diamagnetic materials, broadband optical coatings, CrWN glass molding coatings, and silicon on insulator waveguides.