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Sommario/riassunto	This book provides an insight into the welding techniques with a cross-disciplinary treatment to address the shortcomings of contemporary learning of welding terminology. Various topics covered include introduction to welding processes, design requirements, prominence of design, case studies presenting structural defacements due to inappropriate design, comprehensive surveys on welding processes selected from various process categories, design calculations to be adopted for specific applications and sample calculations. This book is useful for researchers, engineers and professionals working on welding equipment and technologies.