

Preface

The most recent and most promising developments in laser materials processing are described on an graduate/scientist level. The book emphasizes the practical applications in modern materials and material applications.

Laser Materials Processing has made tremendous progress and is now at the forefront of industrial and medical applications. The book describes these recent advances in smart and nanoscaled materials going well beyond the traditional cutting and welding applications. As no analytical methods are described, the examples are really going into the details of what nowadays is possible by employing lasers for sophisticated materials processing, giving rise to achievements not possible by conventional materials processing.

All contributing authors have year long practical experience in laser materials processing and are working in the field at the forefront of the research and technological applications.

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Ilmenau
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Laser Processing of Materials

Fundamentals, Applications and Developments

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