

Preface

The presented edition is devoted to investigating modern materials science, technologies of materials processing and welding processes problems.

The first chapter is related to the research on electrical and optical properties of semiconductors and polymeric materials used in the modern electronic and optoelectronic industry. The properties of special thin film are also discussed.

The following two chapters research structural materials processing technologies: laser deposition, casting, milling, etc., and modern welding technologies.

Research on some modern types of concrete and waste-based binder are presented in the last chapter.

This publication will be helpful to many specialists whose activities related to machinery and construction.