

CONTENTS

1. Man , materials and technology – opportunities and concerns	1
2. Product and process integration : the need for a ceramics manufacturing science	17
3. Production of powders for high – tech ceramics	29
4. New sintering processing of high – density boron nitride and diamond utilizing static and dynamic high pressure	41
5. Processing and properties of advanced structural ceramics	59
6. Engineering applications of ceramics	107
7. Electrical / electronic applications of ceramics	119
8. Ceramic materials for sensors	137
9. Ceramic materials I microelectronics – possibilities and limitations	161
10.New superconducting materials based on metal oxides	181
11. Medical applications of ceramics	191
Index	229