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Since the 1997 publication of "Silicon Carbide - A Review of Fundamental Questions and Applications to Current Device Technology" edited by Choyke, et al., there has been impressive progress in both the fundamental and developmental aspects of the SiC field.

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Since the 1997 publication of Silicon Carbide - A Review of Fundamental Questions and Applications to Current Device Technology edited by Choyke, et al., there has been impressive progress in both the fundamental and developmental aspects of the SiC field. So there is a growing need to update the scientific community on the important events in research and development since then.

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The most common SiC polytypes are the 3C, 4H, 6H, 15R and 9T. The cubic 3C is commonly referred to as beta silicon carbide,  $\beta$ -SiC, which has the zinc blend structure, while all other polytypes are referred to as alpha silicon carbide,  $\alpha$ -SiC. In general,  $\alpha$ -SiC phase is mainly 6H, which is a wurtzite structure.

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are here again with Recent Major Advances in SiC. The editors asked each other hard questions to justify asking colleagues all over the world to spend a lot of time and effort to put out yet another book. On examining the older work we found that many of the articles on fundamental issues were as good today as they were in 1997.

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