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Sommario/riassunto	In this Special Issue, the focus is on just one area of carbon research: fibers. Even given this relatively narrow focus there is a diversity of research that is both compelling and frustrating. Compelling as it demonstrates the vitality of the subject, and frustrating as it makes it difficult to organize. The topics covered include new fiber fabrication protocols, the mechanical behavior of fiber reinforced polymers, new techniques to study the microstructure of fiber containing composites, new uses of fiber structures, the use of carbon fibers as catalyst supports, and studies regarding the difficulties of machining fiber structures for inclusion in complex structures.