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even at the cost of considerable expense in their fabrication or conventional machining.

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the wide range of materials used and the issues surrounding them is essential for the student of aerospace engineering. Introduction to aerospace materials reviews the main structural and engine materials used in aircraft, helicopters and spacecraft in terms of their production, properties, performance and applications.

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considerable expense in their production or machining. Others are chosen for their long-term reliability in this safety-conscious field, particularly for their resistance to fatigue. The field of materials engineering is an important

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titanium 6Al4V, and stainless 15-5PH - still have applications in aerospace. These metals, however, are currently ceding territory to new alloys designed to improve cost and performance.

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Aerospace Materials- a Materials Challenge

Campbell FC (2006)
Manufacturing
technology for
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materials, Butterworth-

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Publications, New York,
NY, USA Google
Scholar. 2. Davis JR
(1994) Aluminum and
aluminum alloys. ASM
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Materials Park, OH,
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Aluminium Alloys for Aerospace Applications | SpringerLink

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