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Ali Fatemi, Ph.D. Distinguished University Professor Emeritus Contact Information. Mechanical, Industrial & Manufacturing Engineering Department ... He has co-authored the second edition of a fatigue textbook entitled "Metal Fatigue in Engineering" published by Wiley in 2000. A list of Dr ...

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Mechanical failure modes. In materials science, fatigue is the weakening of a material caused by repeatedly applied loads. It is the progressive and localized structural damage that occurs when a material is subjected to cyclic loading.

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