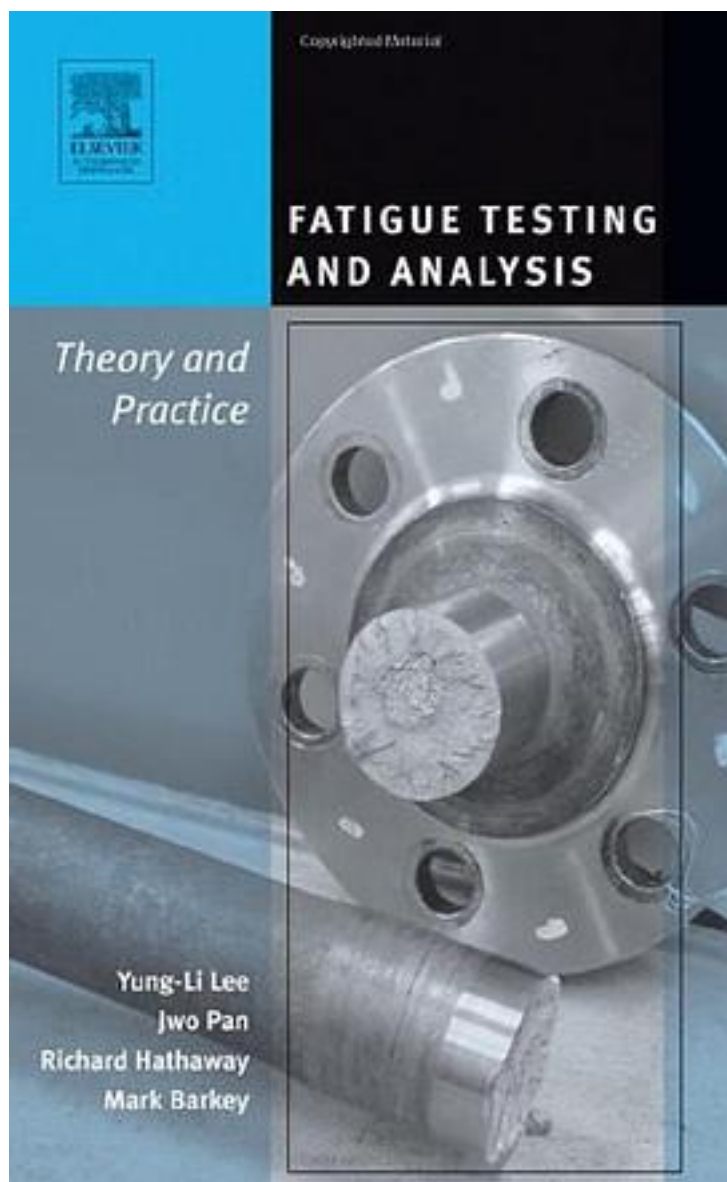


Fatigue Testing and Analysis



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This book is a summary of experimental and analytical techniques that are essential to students and practicing engineers for conducting mechanical component design and testing for durability. There is a serious need for engineers to have an overview on the entire methodology of durability testing and reliability to bridge the gap between fundamental fatigue research and its durability applications. It covers the useful techniques for component load measurement and data acquisition, fatigue properties determination, fatigue analysis, and accelerated life test criteria development, and, most importantly, test plans for reliability demonstrations. It is written from a practical point of view, based on the authors' industrial and academic experience in automotive engineering design. Its extensive practical examples are used to illustrate the main concepts in all chapters.

作者介绍:

李永利 (Yung-Li Lee) 博士是戴姆勒·克莱斯勒公司应力实验室和耐久性开发部的高级技术人员，从事多轴疲劳、塑性理论、汽车零部件耐久性试验、点焊疲劳和概率疲劳与断裂设计研究工作。他还是密西根州罗彻斯特市奥克兰大学机械工程系的兼职教授。

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书评

五分给原著者李永利博士，2分给译者，或者说是译者团队。在译序当中涉及到的翻译和校对人员有19人之多。搜索得之，译者所在单位为中国北方发动机研究所，可以想见本来并不浩大的翻译工作被长着“工科生”脑袋的专家肢解为各章的翻译任务分配下去，采取的还是层层...

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