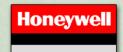
## **Collaborative Evaluation of Ceramics for Gas Turbine Applications**

**Materials End Users** 

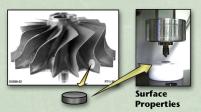














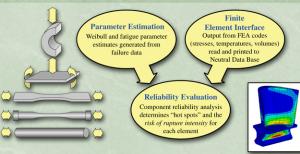


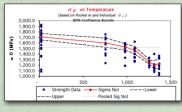


Evaluate mechanical properties of ceramic components under controlled environments and after field tests

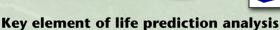




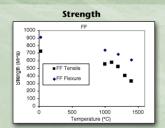


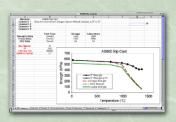


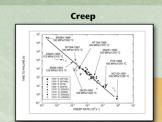
Life prediction and **Design Diagrams** 











**Database** 

**Data for Selected Materials are Currently being Compiled into Excel Workbooks** 







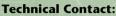






**Mechanical Property Measurements of Coated** and Uncoated Ceramics

Existing facilities are being modified to evaluate ceramics containing environmental barrier coatings



KENNAMETAL

Matt Ferber (ferbermk@ornl.gov) Oak Ridge National Laboratory Oak Ridge, TN 37831-6068

