



Center Information

The Reliability and Maintainability Center
 506 East Stadium Hall
 Knoxville, TN 37996
 Phone: 865-974-9625
 Fax: 865-974-4995
 E-mail: rmc@utk.edu
 Online: www.rmc.utk.edu

“Where Industry and Academia Meet”

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

Publication Authorization Number: R01-1302-079-001-13 DOP: 01/16



RELIABILITY &
 MAINTAINABILITY CENTER

506 East Stadium Hall
 Knoxville, TN 37996



THE UNIVERSITY OF
TENNESSEE
 KNOXVILLE

RELIABILITY &
 MAINTAINABILITY CENTER



The R&M Roadmap
 World-class companies need world-class R&M

ASSESSMENTS	STRATEGIES
TRAINING	IMPLEMENTATION
RESEARCH	CHANGE MANAGEMENT
TECHNOLOGIES	BEST PRACTICES

GUIDE FOR PROSPECTIVE PARTICIPANTS

www.rmc.utk.edu

RELIABILITY AND MAINTAINABILITY CENTER

A Message from the Director

We appreciate your interest in the Reliability and Maintainability Center (RMC). Established by the University of Tennessee in 1996, the center is a unique industry/academia partnership dedicated to improving productivity, efficiency, safety, and profitability through development and dissemination of advance reliability and maintainability technologies and management principles.



The RMC creates comprehensive programs of education, research, and information sharing for industry professionals, faculty, and students, and is a valuable partner and resource to those constituent groups, leading the way in today's improvements and tomorrow's best practices and technologies.

For more information about the RMC, please visit our website at www.RMC.utk.edu; contact us by e-mail at RMC@utk.edu; or call us at 865-974-9625. If you are in the area, please call to arrange a visit. We look forward to hearing from you.

Sincerely,
Klaus Blache, RMC Director and COE Research Professor

Areas of Expertise

The RMC deals with all aspects of reliability and maintainability, including physical-asset management; equipment reliability; predictive maintenance; and machinery condition monitoring technologies such as vibration analysis, airborne ultrasonic, infrared thermal imaging, motor testing, and oil analysis.

Using a "systems thinking" approach, the RMC also focuses on reliability and maintainability strategies and techniques such as benchmarking, assessments, root-cause analysis, reliability roadmaps, reliability-centered maintenance, operator based maintenance, Computerized Maintenance Management Systems (CMMS), lean implementations, and enterprise-asset management.

The RMC is dedicated to becoming the premier source of qualified reliability and maintainability personnel, knowledge, and research by:

- Developing both students and faculty who are sought after for their expertise

- Sponsoring conferences and educational initiatives that provide the highest quality source of best-practices information
- Conducting research that generates effective, applicable solutions when implemented

Programs and Initiatives

The RMC carries on several programs in four primary areas:

Education & professional development - The RMC, in conjunction with the College of Engineering, offers a wide spectrum of educational opportunities, both formal and informal.

Our undergraduate offerings are unique among US universities and include an R&M minor and R&M internships, all within the BS degree curricula.

The Graduate Certificate in Reliability and Maintainability Engineering and the Master's Degree in Reliability and Maintainability (delivered on-campus and distance learning) are administered through UT's Graduate and International Admissions School:
<http://graduateadmissions.utk.edu>.

Our Professional Development offerings provide a certificate in Reliability and Maintainability Engineering Implementation (non-degree), through a combination of courses from the RMC and selected industry training partners, and a results-focused project. Further details and specific classes can be found at www.RMC.utk.edu.

Additionally, several short courses and seminars are available on demand in the Knoxville area or near/on company sites.

Research and Technology Assessment - The RMC conducts research and technology assessment projects recommended by its industrial affiliates and supported by its members and/or third party funding. Faculty and students conduct projects utilizing laboratories and other



resources at the University of Tennessee and national research facilities such as Oak Ridge National Laboratory (ORNL).

Information Sharing - The RMC holds regular meetings for its member companies and organizations to share "best practices" and other information. The Center also sponsors MARCON (Maintenance And Reliability Conference), an annual public forum for nationally and internationally recognized specialists to exchange information on new methods and practical applications of advance techniques in the maintenance and reliability field. The RMC publishes a quarterly newsletter highlighting current developments in the field of reliability and maintainability, and promotes papers and presentations by faculty and affiliates associated with the center.

Business Support and Alliances - The RMC seeks to support businesses and build alliances among the member companies and organizations, partnering institutions, and the university. The center provides meeting and networking opportunities, facilitates various technical activities, provides introduction into other parts of the university and larger community, and offers other appropriate support functions.

Center Resources

In addition to a small administrative staff, the RMC draws on faculty and students from all departments within the UT College of Engineering, plus professionals from member companies and affiliates as needed. This flexibility and capability provides the RMC with a significant number of resources with very diverse interests available to lead or respond to almost any opportunity.