



Dora Orchard, P.Eng.

Engineering Lead – Advanced Diagnostics

1-506-651-1843

Dora.Orchard@acuren.com

TECHNICAL CERTIFICATIONS

P.Eng. License #M6704 (NB)
CMVA Vibration Analyst Cat III (0610-C-1612)
VI Vibration Analyst Cat III (0610-0891B)

EDUCATION

2001 B.Sc. Mechanical Engineering –
University of New Brunswick

Advanced vibration analysis
Advanced vibration control
Practical rotor dynamics

PROFESSIONAL MEMBERSHIPS

APEGNB Engineers and Geoscientists of New
Brunswick
Canadian Machinery Vibration Association
Vibration Institute
TAPPI/PIMA

EXPERIENCE

Ms. Orchard is a Senior Reliability Engineer with Acuren and has over 20 years of experience supporting maintenance, engineering, and operations in a variety of industrial sectors.

She is a Reliability Subject Matter expert within Acuren for Vibration Analysis and leads a team of engineers and technicians located across the country.

Since joining the company in 2001, Ms. Orchard has been involved in various projects including reliability/ CBM program development and assessments, asset criticality, and numerous solution focused advanced diagnostics. She plans, performs and directs equipment vibration diagnostics and troubleshooting, as well as various corrective action techniques, including structural modifications (vibration control),

Finite Element Analysis, modal and ODS analysis, and dynamic rotor balancing.

Industries served include pulp and paper, mineral processing, manufacturing, energy and transportation, defence, and residential and health care facilities

A former member of Canadian Armed forces, as an Electrical and Mechanical Engineer officer Dora is also familiar with requirements of maintenance and support for military equipment, including RCM.

Working closely with the Acuren Team, she has participated in the development and delivery of various specialized techniques, including IN-SITU™ Roll Balancing and SCORE™ Maintenance Assessment.

In addition, Dora provides internal staff and on-site client training and mentoring, including machinery vibration condition monitoring and diagnostics course delivery for analyst certification to Category 1 and 2 IAW ISO 18436-2.