ELGETI ENGINEERING

ONLINE BEARING SEMINARS

Autumn 2026

- Basics of Bearing Technology
- Application Engineering
- Supplier Development
- Failure Analysis

Special Deals

Designer Package

For those who design and develop machinery:

You will explore advanced bearing design and acquire the expertise needed to assist purchasing teams in sourcing suitable bearings for specific applications. Furthermore,you will also become familiar with most common bearing failure modes.

Included Sessions:

Basics of Bearing Technology:
Sessions 1 to 5 (complete)

Application Engineering:
Session 1 (Advanced bearing design)

Supplier Development:
Session 1 (Introduction)

Bearing Failure Analysis:
Session 1 (Introduction)

Trader Package

For those who buy and sell bearings:

You will deepen your understanding of the product, customer needs, and common failures faced by bearing vendors.

Included Sessions:

Basics of Bearing Technology:
Sessions 1 to 5 (complete)

Supplier Development:
Session 1 (Introduction)

Bearing Failure Analysis:
Session 1 (Introduction)

Complete Package

Attend our complete seminar program to build a broad and solid knowledge base. This package comes in with a special price for all the sessions.

Included Sessions:

Basics of Bearing Technology:
Sessions 1 to 5 (complete)

Supplier Development:
Sessions 1 to 5 (complete)

Application Engineering:
Sessions 1 to 2 (complete)

Bearing Failure Analysis:
Sessions 1 to 4 (complete)

Basics of Bearing Technology

Session I:
1. September 2026

Introduction - Bearing types

- Cages
- Bearing arrangements
- Interfaces (design requirements)

Session II:
8. September 2026

Properties

- Tolerances (clearance, precision, etc.)
- Lubrication (grease and oil)
- Materials

Session III:
15. September 2026

Quality

- Internal geometry (profiling, osculation)
- Materials
- Typical defects and resulting damage patterns
- Sample testing (including rapid testing)

Session IV:
22. September 2026

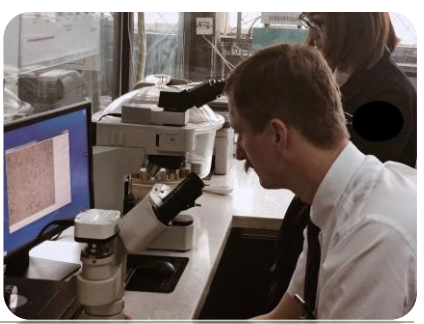
Bearing Installation and Sealing

- Best practices for installation
- General sealing methods
- Sealing properties and requirements

Session V:
29. September 2026

Preventive Maintenance

- Oil sample analysis
- Routine inspection and endoscopy
- Condition monitoring by vibration measurement



Sessions last 90 minutes and are offered at two different times:

- *09:00 Central European Time / 15:00 China Standard Time*
- *17:00 Central European Time / 11:00 Eastern Time*

Application Engineering

Session I:
16. September 2026

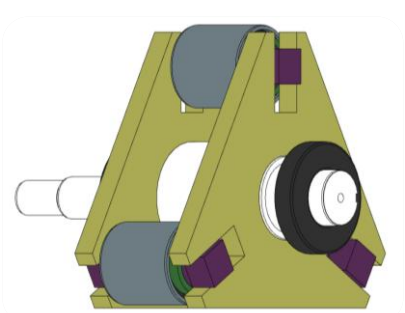
Advanced Bearing Calculation

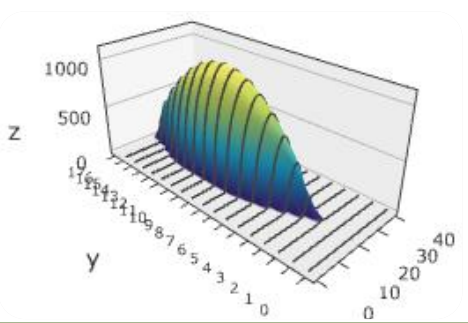
- General design recommendations
- Grease lubrication
- Example: electric motor with belt drive
- Example: helical gearbox considering local stresses

Session II:
17. September 2026

Acceleration on Bearings

- Planetary gearboxes, eccentric rotors
- Cages exposed to vibrations
- Failure modes, design and testing methods





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- *17:00 Central European Time / 11:00 Eastern Time*

Supplier Developement

Session I:
10. September 2026

Introduction
- Methods for inspection
- Examples of failures related to poor lubrication
- Premature failure due to contamination

Session II:
15. September 2026

Quality
- Internal geometry (profiling, osculation)
- Materials
- Typical defects and resulting damage patterns
- Sample testing (including rapid testing)

Session III:
24. September 2026

Production
- Approach during factory visits and audits
- Requirements for the documentation of production

Session IV:
1. October 2026

Quality Control
- Methods for sample inspection and incoming control
- Approach for initial approval
- Concepts for quality control

Sessions last 90 minutes and are offered at two different times:
- *09:00 Central European Time / 15:00 China Standard Time*
- *17:00 Central European Time / 11:00 Eastern Time*

Failure Analysis

Session I:
9. September 2026

Introduction

- Methods for inspection
- Examples of failures related to poor lubrication
- Premature failure due to contamination

Session II:
15. September 2026

Quality

- Internal geometry (profiling, osculation)
- Materials
- Typical defects and resulting damage patterns
- Sample testing (including rapid testing)

Session III:
23. September 2026

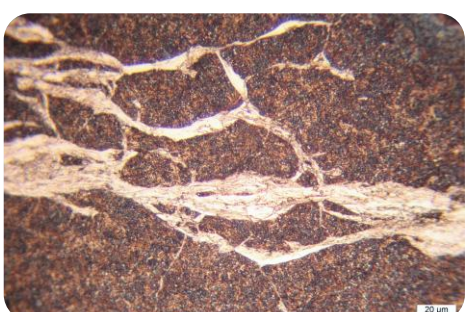
Electricity

- Electric erosion
- White Etching Cracks

Session IV:
30. September 2026

Additional Causes of Failure

- Premature failure due to faulty installation
- Improper fits
- Shape errors of surrounding parts
- Cage fracture



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