

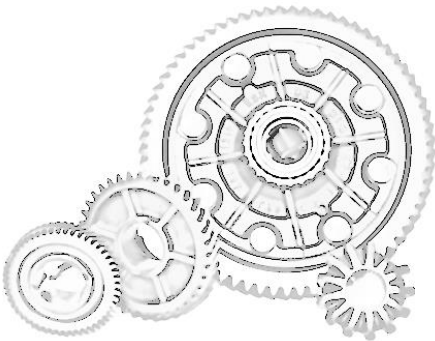


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Online Seminar Spring 2021

- Development of bearing suppliers and quality control during purchasing
- Basics of Bearing Technology
- Failure Analysis

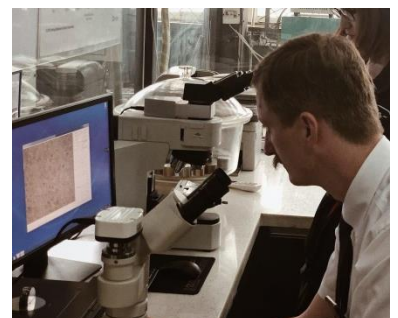




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Basics of Bearing Technology

- Session I (free): Introduction
27th of April 2021, 15:00 Central European Time
- Bearing types
 - Cages
 - Bearing arrangements
 - Interfaces (design requirements)
- Session II: Properties I
4th of May 2021, 15:00 Central European Time
- Tolerances (clearance, precision, etc.)
 - Lubrication (grease and oil)
 - Materials
- Session III: Properties II
11th of May 2021, 15:00 Central European Time
- Internal geometry (profiling, osculation)
 - Life calculation acc. to ISO 281
 - Sample inspection (including quick testing)
- Session IV: Preventive Maintenance
18th of May 2021, 15:00 Central European Time
- Oil sample analysis
 - Regular inspection and endoscopy
 - Condition monitoring by vibration measurement





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Development of bearing suppliers and quality control during purchasing

- Session I (free): Introduction
25th of May 2021, 15:00 Central European Time
- Motivation
 - Definition of quality levels
- Session II: Quality Specification
1st of June 2021, 15:00 Central European Time
- Quality characteristics
 - Technical description
- Session III: Production
8th of June 2021, 15:00 Central European Time
- Approach during factory visits and audits
 - Requirements for the documentation of production
- Session IV: Quality Control
15th of June 2021, 15:00 Central European Time
- Methods for sample inspection and incoming control
 - Approach for initial approval
 - Concepts for quality control





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Failure Analysis

Session I (free):

Introduction

22nd of June 2021, 15:00 Central European Time

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

Session II:

Faulty Bearings

29th of June 2021, 15:00 Central European Time

- Typical failure patterns of faulty bearings related to:
 - Crowning
 - Cracks
 - Poor material
 - Undercuts

Session III:

Electricity

6th of July 2021, 15:00 Central European Time

- Electric erosion
- White etching cracks

Session IV:

Additional causes for failure

13th of July 2021, 15:00 Central European Time

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



Registration Form



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Elgeti Engineering GmbH

Ms. Ecem Is
Liebigstraße 15
52070 Aachen

I hereby register for the following online seminars:
(Please indicate in the first column)

| Enroll yes/no | Date/Time | Title | Price per pers. € | Lang. |
|-----------------------------|-----------|---|-------------------|---------|
| Single webinars: | | | | |
| | 04/27 | Basics of bearing technology Session I: Introduction | FREE | English |
| | 05/04 | Session II: Properties I | 175.00 | English |
| | 05/11 | Session III: Properties II | 175.00 | English |
| | 05/18 | Session IV: Preventive Maintenance | 175.00 | English |
| | 05/25 | Bearing supplier development, Session I: Introduction | FREE | English |
| | 06/01 | Session II: Quality specification | 175.00 | English |
| | 06/08 | Session III: Production | 175.00 | English |
| | 06/15 | Session IV: Quality control | 175.00 | English |
| | 06/22 | Failure analysis Session I: Introduction | FREE | English |
| | 06/29 | Session II: Faulty bearings | 175.00 | English |
| | 07/06 | Session III: Electricity | 175.00 | English |
| | 07/13 | Session IV: Additional causes for failure | 175.00 | English |
| Packages: | | | | |
| | | Complete Package: Basics of bearing technology, session I to IV | 345.00 | English |
| | | Complete Package: Bearing supplier development, session I to IV | 345.00 | English |
| | | Complete Package: Failure analysis, session I to IV | 345.00 | English |
| Name of participant | | | | |
| Company | | | | |
| Address | | | | |
| Billing address (optional) | | | | |
| PO No. (optional) | | | | |
| Phone and e-mail | | | | |
| VAT ID No. (people from EU) | | | | |
| Signature | | | | |

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www.elgeti-engineering.com

Prices do not include VAT.
The participation fee is due before start of the webinar and is non-refundable.

Each registration is for one person only.
By subscription, the participant agrees to share their name and company name to the other attendees.

Each session ca. 90 min, starting 15:00
Central European Time

Location:

Web meeting on the following platform:
• Zoom

(Link will be shared by email after registration.)