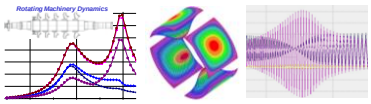
INVITATION: 14th INTERNATIONAL SEMINAR & SHORT COURSE / 12-15 October 2020

Venue: ***Leonardo Hotel Köln, Cologne, Germany***



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Rotordynamics & Bearings

Basics & Theory / Practical Applications & Case Studies

14th INTERNATIONAL SEMINAR & SHORT COURSE

12 - 15 October 2020 – Leonardo Hotel Köln, Cologne / GERMANY

A cooperation between *RBTS, USA* & *LASCHET CONSULTING, Germany*

This **INTERNATIONAL SEMINAR & SHORT COURSE** is dedicated to engineers and technical managers who are involved in **ROTATING MACHINERY DYNAMICS** design, operation, maintenance, diagnosis, and trouble shooting, with emphasis on **machinery rotor dynamics** (**LATERAL VIBRATION** analysis), **drive train dynamics** (**TORSIONAL VIBRATION** analysis), and **bearing systems** (**FLUID-FILM BEARINGS**). Course coverage of the field is illustrated by the presentation of real life case histories and the application of advanced technologies for the modeling, analyses, and trouble shooting real life bearings and vibration problems.

This seminar is NOT an ARMD software user training but a **TECHNOLOGY TRANSFER** and is therefore dedicated to all engineers interested in the dynamics of rotating machinery, independent of the use of a software tool. No previous experiences are required – just register and come to the seminar to understand the world of vibrations, and above all how to solve and avoid vibration problems in rotating machinery.

Seminar Days *(Note: All sessions are in English language only. There are 2 parallel sessions on the 4th day.)*

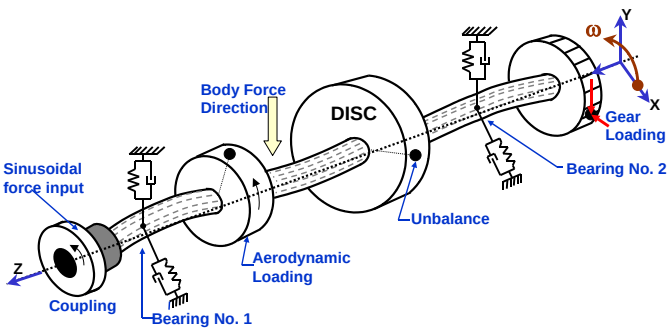
1st Day:	**12 Oct 2020** (Monday)	***Seminar*** **"FLUID-FILM BEARINGS" (Technology & Applications)**
2nd Day:	**13 Oct 2020** (Tuesday)	***Seminar*** **"ROTOR DYNAMICS" (Part 1: Basics & Technology)**
3rd Day:	**14 Oct 2020** (Wednesday)	***Seminar*** **"ROTOR DYNAMICS" (Part 2: Applications & Case Studies)**
4th Day:	**15 Oct 2020** (Thursday)	*Choice of TWO (2) parallel sessions:*
		Seminar **"TORSIONAL VIBRATIONS" (Basics & Applications)**
		Workshop **"ARMD SOFTWARE APPLICATIONS"**

This seminar is presented by **Victor Obeid**, who is a rotordynamic & fluid-film bearing specialist with acknowledged high reputation worldwide. He is also head of:

RBTS, Inc. – 1041 West Bridge Street – Phoenixville, PA 19460 / U.S.A. – www.rbts.com

***LASCHET* is *RBTS* ' partner in Europe and official distributor of the ARMD software** and therefore your contact partner for software purchase and support. *LASCHET* also offers the associated **engineering services worldwide**.

Please use our **ONLINE REGISTRATION** form: **https://www.laschet.com/en/seminars/**. **Detailed seminar brochure**, is also available as download from this web site.



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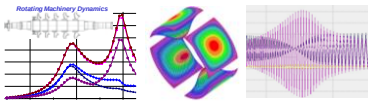

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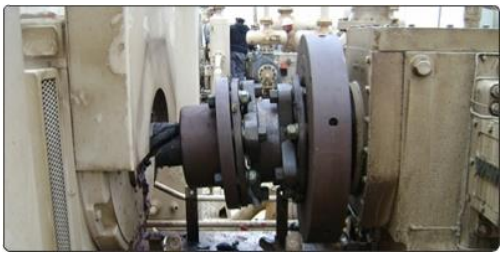
About the Course

This course is presented by ***Victor Obeid*** (*RBTS, Inc. / USA*) and designed for engineers and technical managers who are involved in rotating machinery design, operation, maintenance, diagnosis, and trouble shooting, with emphasis on machinery rotor dynamics (analysis of lateral vibrations), drive train torsional vibrations and bearing systems that support, guide, and locate the rotating assembly.

The course is designed to introduce the theory and practice of vibration analysis in rotating machinery ("**Rotor Dynamics**") from fundamental principles through present state-of-the-art analytical methodology for the solution of common, as well as, unique machinery vibration problems (for example in couplings, gears, or cracks in rotors). The discussion of special and advanced topics is planned as well.



Design consideration and application of fluid-film bearings will be discussed along with a presentation of practical examples and case histories for many industrial applications.

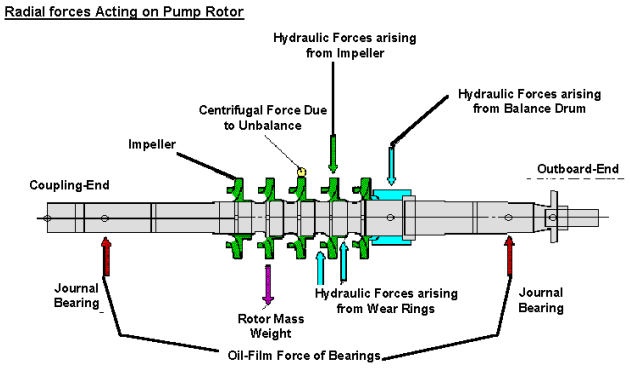
The interacting influence of bearings on the dynamic behavior (rotor dynamics) of machinery will be reviewed and illustrated by the construction of analytical models, and evaluated by PC-implemented computerized solutions. Participants are encouraged to present problems to be discussed. Informal technical sessions and workshops are intended to provide participants with adequate time to describe problems they have encountered in **BEARING SYSTEMS**, **ROTOR DYNAMICS (LATERAL VIBRATIONS), TORSIONAL VIBRATIONS.**

Computers and computer software will be available at the course for problem-solving, and for the application of state-of-the-art computer-aided engineering of bearings and rotor dynamics. Participants will have access to the latest release of *RBTS*' popular advanced rotating machinery dynamics software package **ARMD™**.

The course can be booked as a whole, but also separately for every section. You may use ***LASCHET*'s ONLINE REGISTRATION** form that is available at https://www.laschet.com/en/seminars/. Having registered you will receive a confirmation and also the invoice from *LASCHET* as soon as possible. It is recommenadable (and up to you) to register your accommodation directly at the mentioned hotel (venue of the seminar) as soon as possible due to the limited room contingent. If there are any questions, please contact ***Dr. Andreas Laschet*** (Phone: +49 2204 84-2630, E-mail: info@laschet.com).

Note: The actual seminar program of the seminar days may differ slightly from the current download version.

Please download the **extensive official seminar brochure** with all details concerning the program, the location, the accomodation, the travel from our special seminar website: **https://www.laschet.com/en/seminars/**.



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