

# CALL FOR PAPERS

## SYMPOSIUM

### “Vibration of Wind Turbines 2024”

June 13 and 14, 2024 - Hamburg



#### Become a speaker!

Submission deadline for your contribution:  
November 30, 2023

We're looking forward to your contribution to these main topics:



1. Simulation and analysis of dynamic behavior
2. Measures for vibration and load reduction
3. Measurement, prediction and reduction of noise
4. Condition and Structural Health Monitoring / Non-Destructive-Testing
5. Lifetime Assessment and Lifetime Extension
6. Artificial Intelligence / Machine Learning
7. Predictive and optimized maintenance

Today as ever, the focus remains on the exchange of experience between practice, science and industry:

- Can you report on projects directly related to the topics listed above?
- Would you like to share new findings, special project experiences or new fields of application with our guests and us?
- Or do you have another topic suggestion, perhaps a novel idea or innovative approach?

#### Conference Chairman

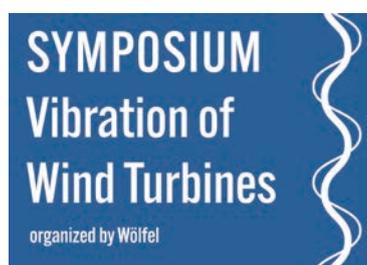
**Univ.-Prof. Dr.-Ing. Peter Kraemer**, Head of Chair for Mechanics with Focus on Structural Health Monitoring, University of Siegen

#### Program Committee

- Dr. rer. nat. Edwin Becker**, Head of Service & Diagnostic Center, Fluke Deutschland GmbH, Ismaning
- Dr.-Ing. Carsten Ebert**, CTO, Wölfel Wind Systems GmbH + Co. KG, Hönning
- Prof. Dr.-Ing. Martin Huhn**, Technische Hochschule Lübeck, Predictive Maintenance and Condition Monitoring, Lübeck
- Dr.-Ing. Klaus Kaiser**, Project Engineer, DEWI-OCC, Bremen
- Dr. Martin Klönne**, Senior Functional Lead PTR NVH, Powertrain Module – NVH & Verification, Power Solutions, Vestas Nacelles Deutschland GmbH, Dortmund
- Dr. Samer Mtauweg**, Managing Partner / Research & Development, MML Solutions GmbH, Bremen
- Dr.-Ing. Karl Steingröver**, Senior Principal Engineer, Renewables Certification, Energy, DNV GL, Germanischer Lloyd Industrial Services GmbH, Hamburg
- Dr. Arno van Wingerde**, Chief Scientist, Fraunhofer Institute for Wind Energy Systems (IWES), Bremerhaven
- Prof. Dr.-Ing. Jan Wenske**, Deputy Institute Director, Technical Director, Fraunhofer Institute for Wind Energy Systems (IWES), Bremerhaven
- Dr. Timo Zundel**, Head of Modelling & Verification, Winergy, Flender GmbH, Voerde

#### Event Organization

Wölfel Group | [www.woelfel.de](http://www.woelfel.de) |  
Phone +49 931 49708-0



Submit your abstract here



# FORE- WORD

## SYMPOSIUM “Vibration of Wind Turbines 2024”

June 13 and 14, 2024 - Hamburg

Dear Ladies and Gentlemen,

As the new Chair of the Program Committee, it is my great pleasure to announce the upcoming Symposium “Vibration of Wind Turbines”, which will take place on June 13 and 14, 2024 in Hamburg.

The previous edition of the event in 2022 was a great success, providing a platform for experts from industry and academia to exchange ideas and engage in discussions. Based on the positive feedback, we have decided to continue the symposium in 2024. The Wölfel Group will once again organize the event, with the Program Committee members playing the central role in setting the main topics of the conference and selecting the presentations from the submissions. I would like to take the opportunity to express my gratitude to my predecessor, Thomas Gellermann, for handing over the position to me due to his career transition. On behalf of the entire Program Committee, we extend our thanks to him for his invaluable contributions, and we wish him every success in his new professional endeavors.

The symposium holds great significance as wind turbines are highly dynamic systems subjected to various loads. Vibrations occurring in rotor blades, drive systems, and towers have an important impact on the operation, lifetime, and reliability of the entire turbine and its foundation. Optimal design and continuous monitoring of the system are crucial for efficient and cost-effective operation. The event provides an opportunity to present innovative solutions and best practices to further enhance the quality and efficiency of wind energy systems.

The thematic focus will continue to combine classic topics of vibration control technology with wind energy, offering insights into current issues such as improving reliability, optimizing maintenance (‘Predictive Maintenance’), as well as measuring and predicting sound levels. Moreover, the conference will delve into the simulation and analysis of dynamic behavior, and explore various aspects of lifetime assessment and lifetime extension.

We welcome further innovative and relevant ideas from the community, and encourage researchers, professionals, and experts from industry and academia to submit their latest findings and best practices in these and related areas. Together, we can create an inspiring event and foster fruitful exchanges between industry and academia. On behalf of the Program Committee, I look forward to welcoming you to the “Vibration of Wind Turbines 2024” symposium.

Sincerely,

Prof. Dr.-Ing. Peter Kraemer  
Chair, Program Committee

# CALL FOR PAPERS

## Dates



- 1 **Deadline for submission of abstracts:**  
November 30, 2023
- 2 **Notification of authors:**  
March 1, 2024
- 3 **Submission of lectures:**  
May 30, 2024

## Submission of papers

Please submit your abstract in English by November 30, 2023 at the latest via the indicated website including:

- Title of the lecture
- Information on the lecturer and co-authors
- Summary of the lecture with the key statements of your contribution (abstract, to be uploaded as pdf-file)
- Assignment to one of the main topics
- Indication of your own previous publications on the topic

## Your presentation

The presentation is to last about 20 minutes and be held in English.

## Participation fees

Speakers (one person per submission) receive a discount of 50 % on the regular registration fee for their participation. The registration fee will be € 800 + VAT. Please be advised that travel and accommodation costs are not reimbursed.

## Organization and contact person for further questions

**Mona Stahl**, Event Organization Wölfel Group  
Phone: +49 931 49708-519 | E-mail: stahl@woelfel.de

## Event location/room booking

EMPIRE RIVERSIDE HOTEL  
Bernhard-Nocht-Straße 97 | 20359 Hamburg | Germany  
Phone: +49 (0) 40 31119 - 0 | E-Mail: info@empire-riverside.de

We have reserved a room contingent in the hotel which are available for booking at your own expense until April 16, 2024. Please make your reservation directly with the hotel under the keyword „**Wölfel-13062024**“.

## Services

The scope of services includes the digital event documents, coffee breaks, lunch and the evening event. The event documents will be made available online.

## Data protection

All information on data protection can be found here:  
<https://www.woelfel.de/en/privacy-policy.html>



in cooperation with the VDI Technical  
Division Vibration Technology

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