



12. Dresdner-Probabilistik- Workshop

From Digital Twin to Artificial Intelligence

September 29 & 30, 2022

CALL FOR PRESENTATIONS

12. Dresdner-Probabilistik-Workshop

Technische Universität Dresden

Chair of Turbomachinery
and Flight Propulsion

Prof. Dr.-Ing. habil. Ronald Mailach

September 29 & 30, 2022

Call for Presentations

Topic:

From Digital Twin to Artificial Intelligence

Probabilistic methods are playing an increasingly important role in the design of components in the engineering sector. In addition to robustness and sensitivity analyses, the probabilistic approach allows reliability studies to be carried out by taking into account the uncertainties of the components in the product development process.

The workshop provides a discussion platform for engineers from research and development on the topics of statistics, digital twin, probabilistic analysis and artificial intelligence. Furthermore, it provides an opportunity for the partners* of the German Federal Aviation Research Program LuFo VI project DIGfly (Digital Flight of Air Vehicles) to get together and present results of the project.

Presentations from industry and academia should target scientific and technical questions and discuss possible applications of probabilistic methods in mechanical engineering. Commercial aspects should be avoided. The presentation slides can be published on our website www.probablistic.info.

A dinner to share experiences will be offered on the evening of September 29 in the city center of Dresden.

We would be pleased to welcome you as speakers and participants at our workshop.

Deadlines:

Registration of presentations: July 31, 2022

Registration for workshop: Sept. 22, 2022

Registration and Contact:

Dr.-Ing. Matthias Voigt
Chair of Turbomachinery and Flight Propulsion
Institute of Fluid Mechanics
Technische Universität Dresden, 01062 Dresden

<http://www.probablistic.info>

Email: matthias.voigt@tu-dresden.de

Tel.: +49 351 463 33962

Conference venue:

Technische Universität Dresden, Zeuner-Bau

Conference fee:

150 Euro excl. VAT, includes snacks, lunch and dinner

* DIGfly partners are: DLR, Airbus Helicopters, Airbus Defence and Space, MTU, Rolls-Royce Deutschland, TU Kaiserslautern, TU München, TU Dresden