



Intelligent Design System For Huge Bearings

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How to solve the challenges of huge bearing reliability and develop lead-time? We developed a intelligent design system with AI technology embedded. The potential risks of the product can be identified in design stage with the help of massive data from historical or similar application scenario, then bearing parameters scoping, 3D modeling & 2D drawing, FEA auto modeling and process planning can be executed with computer aided technology. The design system performs well in engineering applications.

Curriculum vitae

Asst. Prof. Xuehai Gao, worked as deputy present and CE in world famous bearing and wind turbine enterprises for about 15 years before joining Shanghai Dianji University. His mainly research interest is application of new technologies in engineering application, especially the drive train intelligent design&manufacturing technologies. He now also works as the consultant for several enterprises.

He got several prizes and recognitions, among them there are

- China Renewable Energy Tech. Award, 2023
- Jiangsu Patent Award, 2022
- Entrepreneurship and innovation talents of Jiangsu, 2016
- Young talents in Baoshan, 2015
- Jiangsu Tech. Award, 2011