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## **Analysis and Modeling of Heat Transfer in Rotary Pipes with Lifting Blades**

> Abschlussbericht: "Analyse und Modellierung des Wärmeübergangs in Drehrohren mit Hubschaufeln" - AiF-Vorhaben-Nr. 189 BG ([https://www.ltv.ovgu.de/ltv\\_media/Downloads/Forschung/Schlussbericht\\_Drehrohrreinbauten\\_IGF+18916+BG\\_1-p-1320.pdf](https://www.ltv.ovgu.de/ltv_media/Downloads/Forschung/Schlussbericht_Drehrohrreinbauten_IGF+18916+BG_1-p-1320.pdf))

### Research Focuses

- ▶ Dynamic Simulation of Heat Treatment Processes
- ▶ Intensive Cooling of Metals with Hardness and continuous casting Processes
- ▶ Cumulative Energy and CO<sub>2</sub> Balances
- ▶ Heat Transfer Processes
- ▶ Influence of Surface Roughness on secondary Cooling in continuous Casting of non-ferrous Metals
- ▶ Analysis and Modeling of Heat Transfer in Rotary Pipes with Lifting Blades