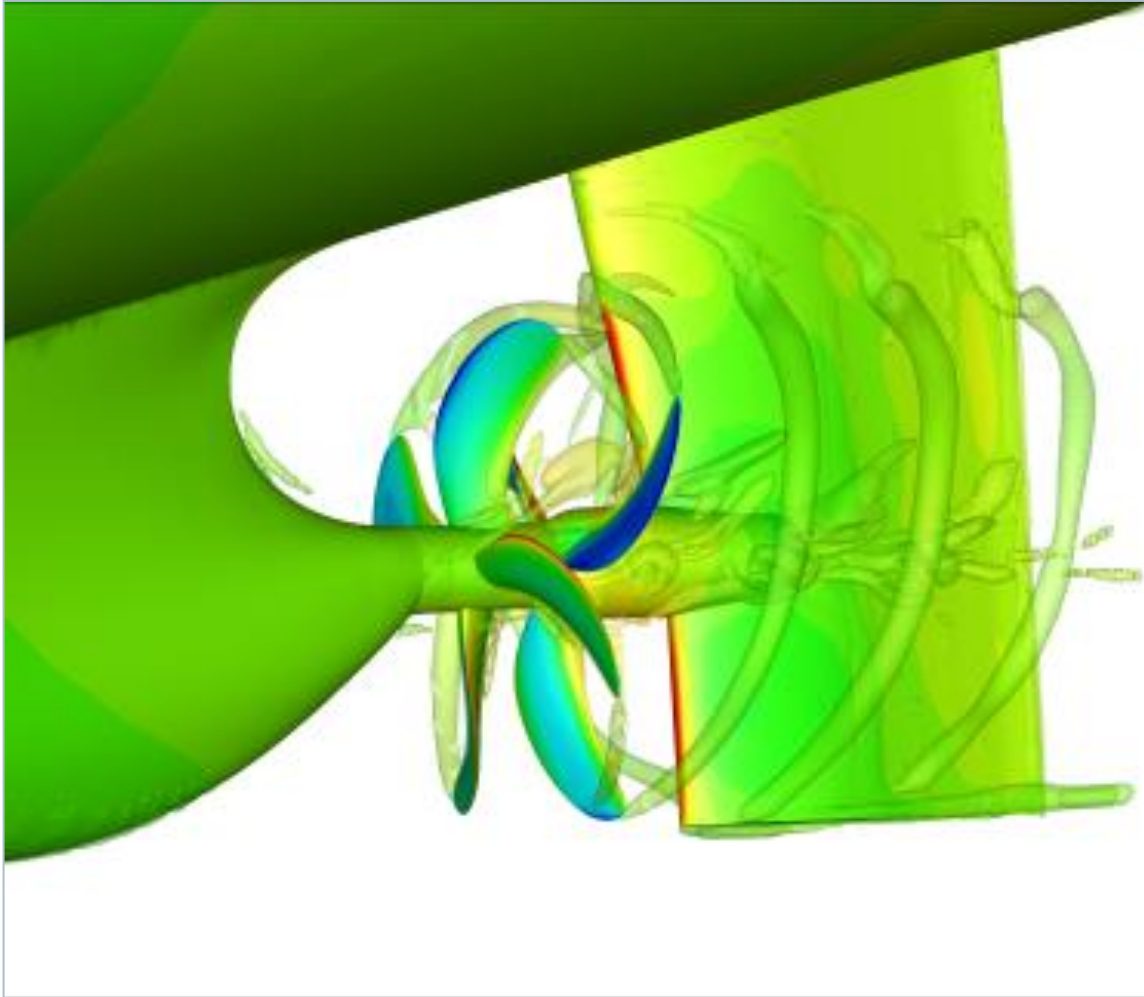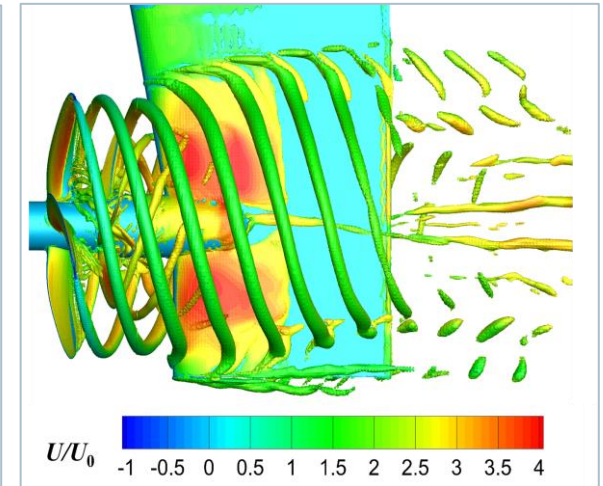# SDARI
Analyzing propeller interaction using Simcenter STAR-CCM+

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SDARI uses Simcenter STAR-CCM+ to understand the complex interactions between contra-rotating propellers
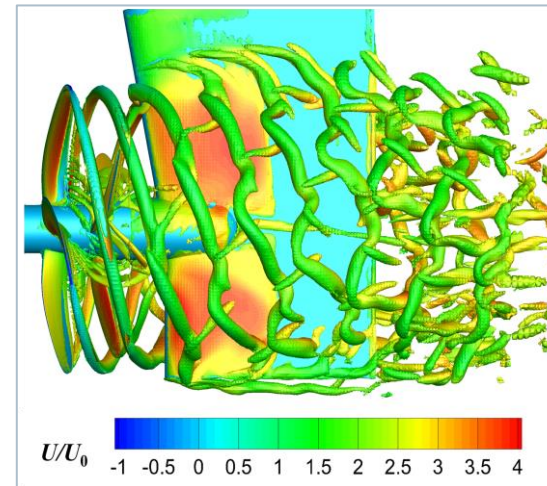
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SDARI
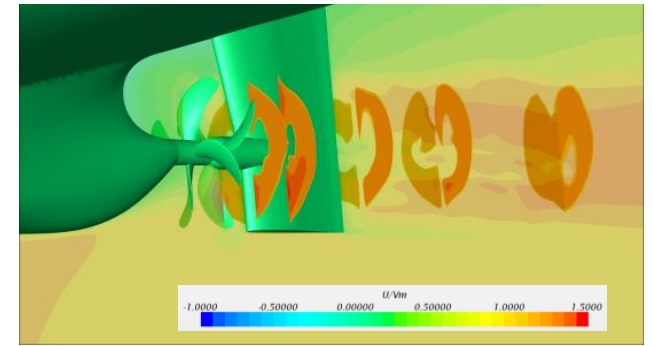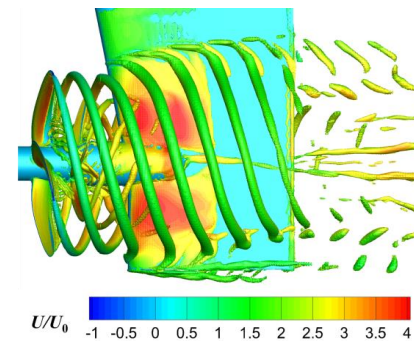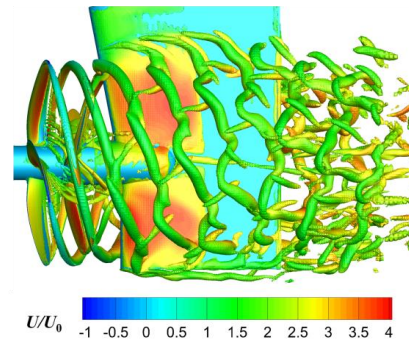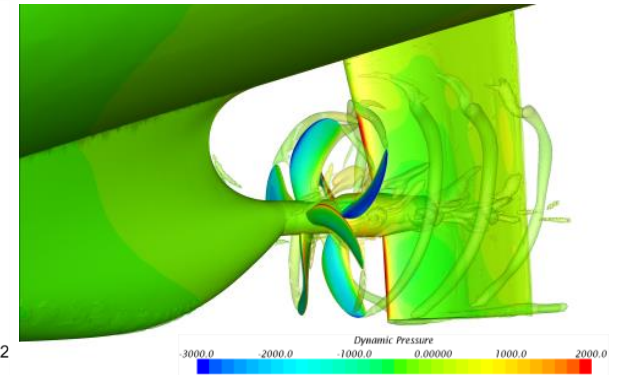## Analyzing propeller interaction using Simcenter STAR-CCM+

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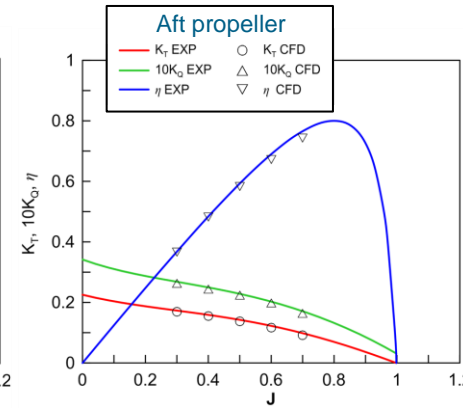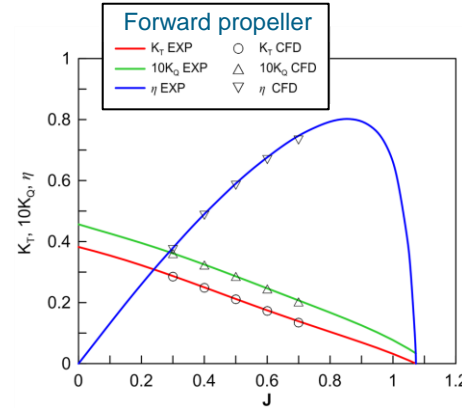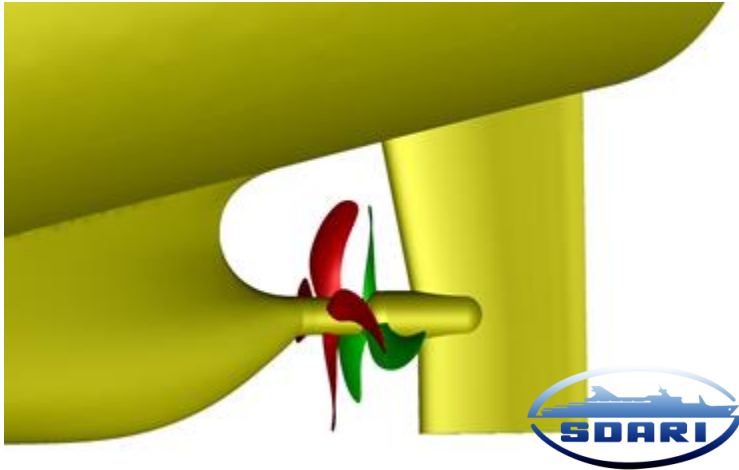
- **Assess the propulsive efficiency of contra-rotating propellers**
- **Capture interaction between forward and aft propellers through unsteady simulation**
- **Predict complicated vortex structures via detached eddy simulation**

Forward propeller / *Aft propeller*

"We are able to analyse the flow both qualitatively and quantitatively, compare results and assess how to improve the design"

Dr Zhang Yuxin, Senior Engineer

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