State of the Art Simulation Tools for Naval Architecture and Marine Engineering

CD-adapco™ Global Academic Program provides naval architecture students with access to state-of-art simulation tools and procedures for marine applications, which have been developed in close collaboration with classification societies (Lloyd’s Register, Germanischer Lloyd, Det Norske Veritas, American Bureau of Shipping, etc.), industrial partners (Daewoo, Hyundai, Keppel, Samsung, Technip, etc.), and towing tank facilities (FORCE Technology, CTO, Brodarski Institut, etc.).

Estimating Hull Performance (EHP™) in Calm Water is a new tool providing naval architects with a streamlined GUI-driven process to simulate hull motion in calm water. This user-friendly, intuitive tool was designed specifically for those with very little CAD or CFD experience and is perfect for the classroom. EHP Brochure

For a technical review of STAR-CCM+ capabilities for marine applications, download our new brochure. Contact your Academic Program Manager to learn more about the CD-adapco Global Academic Program.

Regards,
Tammy de Boer
Global Academic Program Coordinator

SUCCESS STORIES

CFD Analysis of Marine Propeller Open Water Test
Nathan Fast from the Webb Institute uses STAR-CCM+ to accurately model a marine propeller open water test. The purpose of the CFD simulation was to determine the thrust, torque, and open water efficiency coefficients for the propeller over a range of advance ratios from zero to one. Read Story Here

Oracle Team USA – Winner of the 34th America’s Cup
Simulations done at ORACLE TEAM USA by Francis Hueber, Mario Caponneto and Michele Stroligo for the defense of the 34th America’s Cup.
America's Cup CFD AC72 RANS Simulation - Streamlines
America's Cup AC45 CFD Simulation
America's Cup CFD AC72 RANS Simulation - Seakeeping

SIMULATING SYSTEMS

Video Presentation
Don't Simulate Part of the Problem, Simulate the WHOLE Problem. Solve real world engineering problems by incorporating all of the physics that influence the real life performance of the product…go big or go home. View Video Here

CONTEST ANNOUNCEMENT

Win an iPad Mini and feature your CFD simulation on the CD-adapco website
The CD-adapco Global Academic Program is pleased to announce its Academic

GET IT NOW RESOURCES

Adaptation of STAR-CCM+ Numerical Wave Tank to an Offshore Floater Design Tool
Presented by Technip at the STAR Global Conference
**STAR Simulation Contest.** To enter, please send us your coolest video or simulation images demonstrating your academic use of STAR-CCM+. The creator of the winning content will be awarded an **iPad Mini** and have his/her content displayed on the main page of the CD-adapco website. [Enter today](#).

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### UPCOMING EVENTS

**Virtual Manufacturing Supports Improved Corrosion Protection by E-coat Simulation**
Live Webinar: April 24, 2014

**FSAE Michigan 2014 – STAR-CCM+ Workshop**
Complimentary Workshop: Sunday, May 18, 2014
This is your chance to learn how STAR-CCM+ can be used to enhance the performance of your car in the areas of aerodynamics, vehicle thermal management and powertrain. Space is limited so [register today](#).

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### CAREER OPPORTUNITIES

CD-adapco customers are currently recruiting for the following position:

**General Atomics**
*Aerodynamics Engineer* – San Diego, CA

CD-adapco is currently recruiting for the following positions:

- **Sr. Software Developer - Electromagnetism** – Austin, Texas
- **System Administrator** – Nürnberg, Germany
- **Software Developer** – Lebanon, NH
- **Software Integration Engineer** – London, UK

To see all available positions, please visit: [http://www.cd-adapco.com/careers](http://www.cd-adapco.com/careers)

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