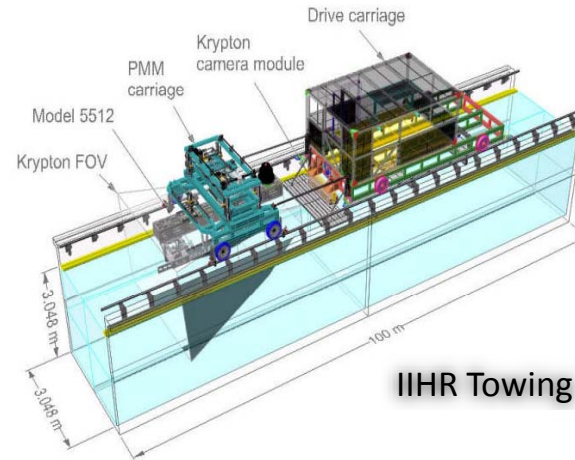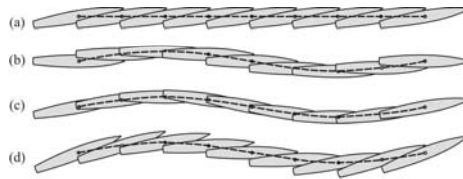# PMM-PIV

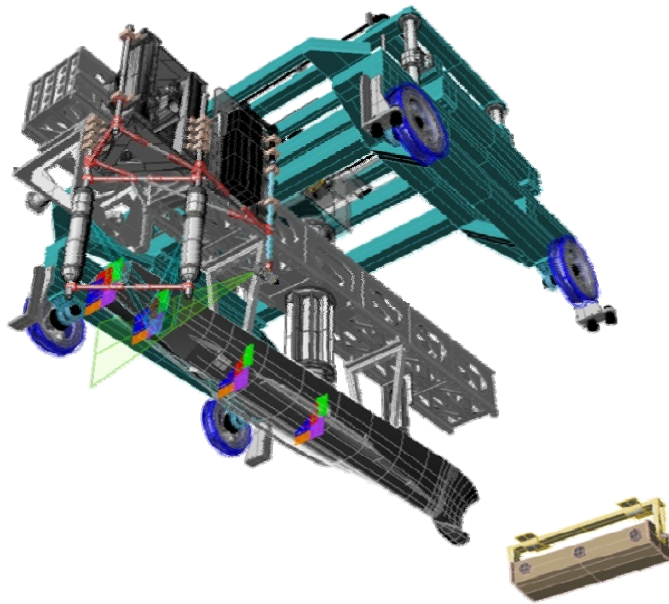## (Phase-averaged 3D Unsteady flow around a surface ship)

PMM Test:
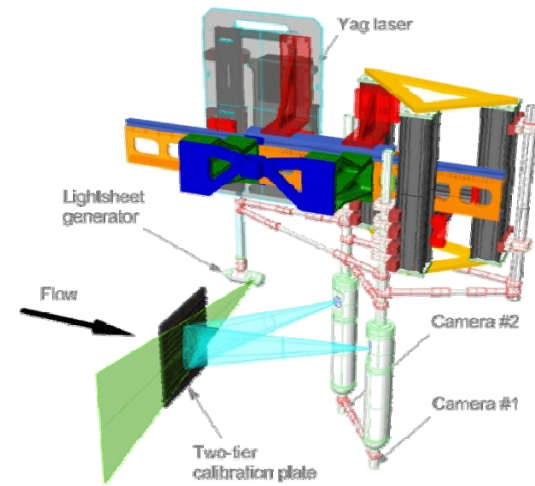   (a) Static drift test
    (b) Pure sway test
    (c) **Pure yaw test**
    (d) Yaw and drift test
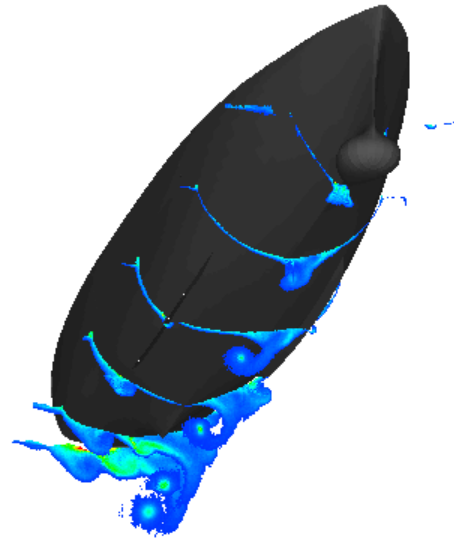

IIHR Towing Tank Facility

PMM-PIV arrangement

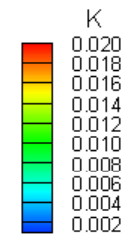3D Stereo PIV System

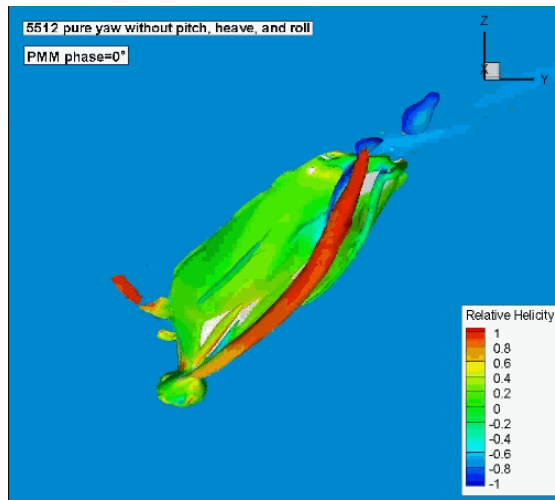# Comparisons with CFD[†]
(Turbulent flow structure)

EFD   CFD

K
0.020
0.018
0.016
0.014
0.012
0.010
0.008
0.006
0.004
0.002

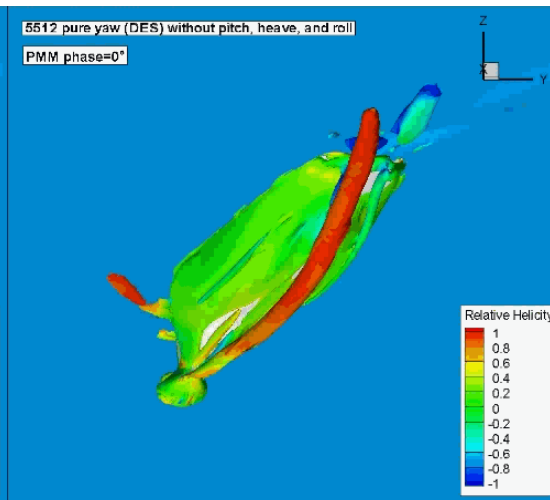† N. Sakamoto, P. Carrica, J. Shao , CFDSHIP-IOWA (2006)
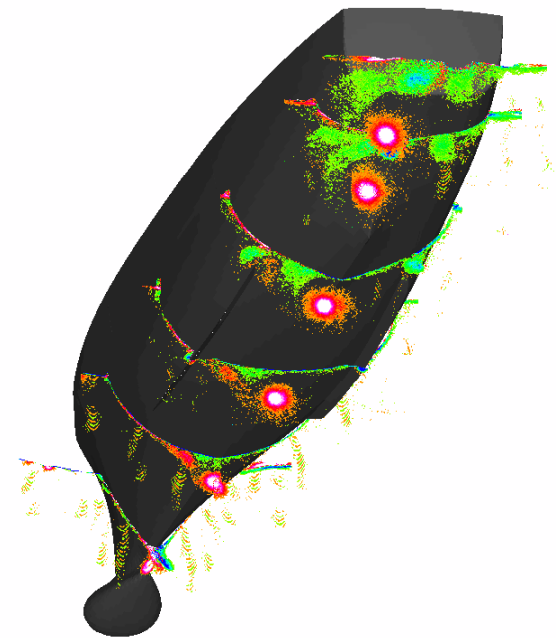
Comparisons with CFD[†]
(Vortical flow structure)

PIV

RANS

DES

† N. Sakamoto, P. Carrica, J. Shao , CFDSHIP-IOWA (2006)