

APPLIED BIOMIMETICS IN MARINE HYDRODYNAMICS

WEICHAO SHI^{*}, QING XIAO^{*}

^{*} Department of Naval Architecture, Ocean and Marine Engineering
University of Strathclyde
Henry Dyer Building, 100 Monstrose Street, Glasgow, U.K., G4 0LZ
Weichao.shi@strath.ac.uk and URL

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ABSTRACT

Biomimetics is particularly inspiring towards problem solving. As the Mother Nature has always been enlightening us, biomimetics concepts sometimes provide us an alternative way of thinking. But biomimetics is not to directly copy from the nature but to get inspired so that to develop applicable technologies.

By using the modern developed numerical and experimental marine hydrodynamics tools and methods, biomimetic concepts can be explored, understood, and eventually practiced in the marine industry. This session welcomes the latest research about marine biomimetics study in the field of marine hydrodynamics:

- Bioinspired ship energy saving devices.
- Fish mimicking swimming robotics.
- Bioinspired marine renewable energy devices.
- Bioinspired marine propulsion system and its control strategy.
- Bioinspired underwater noise mitigation solutions.

The topics are not limit to the above examples. We welcome all papers researching marine biomimetic concepts in the marine hydrodynamic field.

For any further request, please contact the congress Secretariat:

marine@cimne.upc.edu

REFERENCES

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