**Application of Feature Curves and Shape Blending on Yacht Designing**

**S**hih-Wen Hsiao1\*; Jeng-Horng Chen2; Ting-An Yeh1

1 Department of Industrial Design, National Cheng Kung University, Tainan, 70101, Taiwan

2 Department of Systems and Naval Mechatronic Engineering, National Cheng Kung University, Tainan, 70101, Taiwan

\*Corresponding author: Distinguished Professor Shih-Wen Hsiao

E-mail: swhsiao@mail.ncku.edu.tw

The study proposes a systematic and objective design method for creating a new form of a product with special features and a new yacht is designed as an example. Though the new yacht design is taken as an example, this method can also be used to design other products.

Dear Editor,

Here we submit a paper entitled “Application of Feature Curves and Shape Blending on Yacht Designing” for possible to be published in the Artificial Intelligence Advances. This manuscript is the authors’ original work and has not been published nor has it been submitted simultaneously elsewhere. This article proses a systematic for creating new product forms. All authors have checked the manuscript and have agrees to the submission. If there is any problem, please feel free to contact me.

Best regards.

Sincerely yours,

Shih-Wen Hsiao, Ph. D.

Distinguished Professor

Department of Industrial Design

National Cheng Kung University

No. 1, University Road, Tainan City 701, Taiwan

Tel: +886 2757575 ext. 54330

E-mail: swhsiao@mail.ncku.edu.tw