

22nd Numerical Towing Tank Symposium (NuTTS 2019)

Tomar, Portugal
29 September – 1 October 2019

Editors:

Volker Bertram

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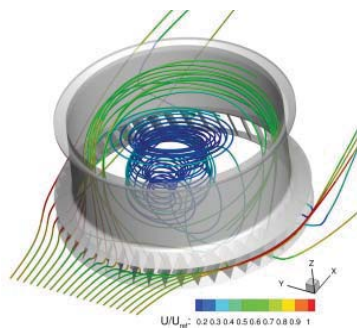
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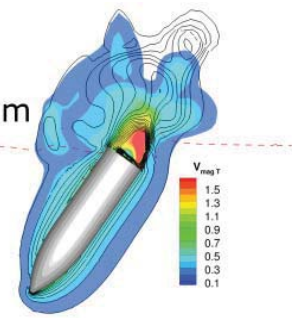


NuTTS 2019

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Programme NuTTS 2019, Tomar Sunday 29 September

12:30-13:50 Lunch

13:50-14:00 Welcome Address

14:00-15:40 Session 1, Chairman: Guilherme Vaz

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Mohsen Irannezhad, Arash Eslamdoost, and Rickard E. Bensow

14:50-15:15 *Numerical Study on Wave Drift Force of Advancing Ship in Bow Seas* 13
Kyung-Kyu Yang, Yoo-Chul Kim, Kwang-Soo Kim, Jin Kim, Bo Woo Nam and Min-Guk Seo

15:15-15:40 *2D Numerical Simulation of Human Underwater Undulatory Swimming* 19
Dorian A. G. Audot, Joseph Banks and Dominic Hudson

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16:10-16:35 *eXtended Discontinuous Galerkin (X-DG) method for a bi-material elliptic problem* 25
Ahmed Sherif, Michel Visonneau, Ganbo Deng and Luís Eça

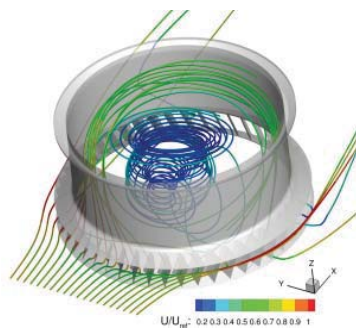
16:35-17:00 *Unsteady RANS simulation of a flow past a free-surface piercing circular cylinder* 31
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17:00-17:25 *Simulation of plunging breaking waves induced by a submerged bump* 37
Qiu Jin, Dominic Hudson, Pandeli Temarel

17:25-17:50 *Numerical simulation of bi-stable ventilated flows around surface-piercing hydrofoils* 43
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Toon Demeester, E. Harald van Brummelen and Joris Degroote

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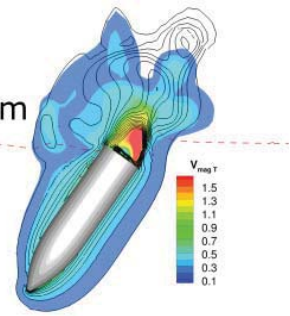


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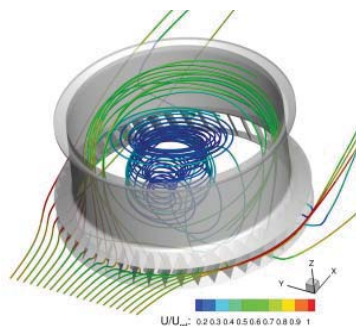
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Programme NuTTS 2019, Tomar Monday 30 September

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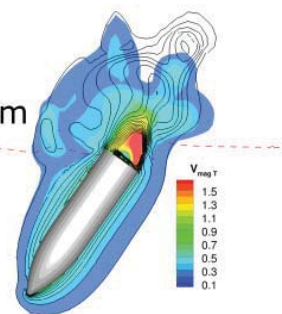


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Programme NuTTS 2019, Tomar Monday 30 September

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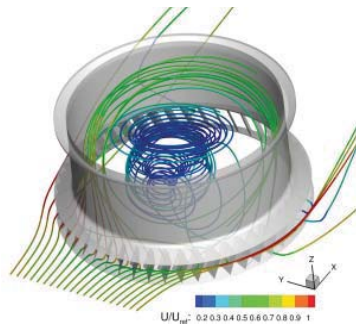
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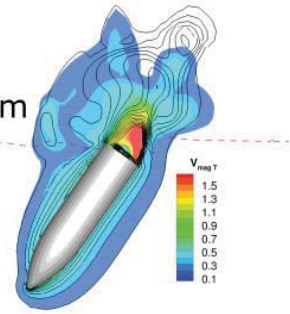


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Programme NuTTS 2019, Tomar Tuesday 1 October

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