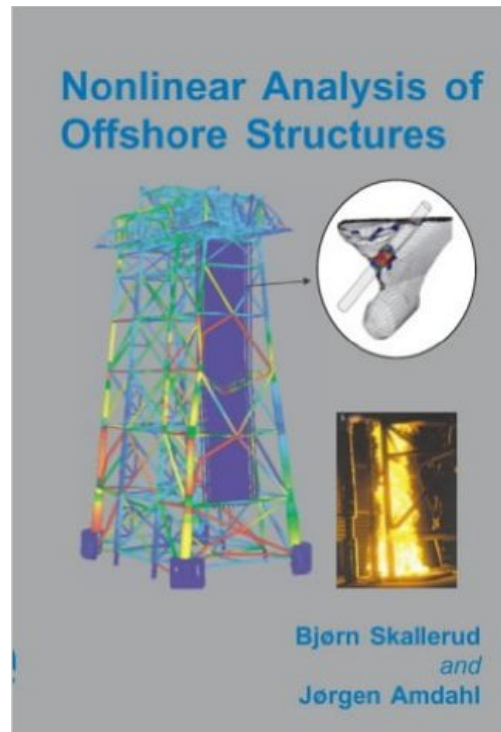




Professor Jørgen Amdahl



B. Skallerud and J. Amdahl, *Nonlinear Analysis of Offshore Structures*, Research Studies Pre, 2002, 340 pages

See:

<http://www.ntnu.edu/employees/jorgen.amdahl>

https://www.researchgate.net/profile/Jorgen_Amdahl

https://www.researchgate.net/profile/Jorgen_Amdahl/publications

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Selected Publications:

Book:

B. Skallerud and J. Amdahl, *Nonlinear Analysis of Offshore Structures*, Research Studies Pre, 2002, 340 pages

Journal articles, etc.:

J. Amdahl, A. Stornes, Energy dissipation in aluminium, high-speed vessels during grounding and collision, in: Proceedings of the 2nd International Conference on Collision and Grounding of Ships, Copenhagen, 2001, pp. 203–210

Abuu K. Mohammed, Bjørn Skallerud and Jørgen Amdahl, “Simplified stress resultants plasticity on a geometrically nonlinear constant stress shell element”, Computers & Structures, Vol. 79, No. 18, July 2001

Byklum E, Amdahl J. A simplified method for elastic large deflection analysis of plates and stiffened panels due to local buckling. Thin-Walled Structures 2002;40(11):923–51.

Byklum E, Amdahl J. Nonlinear buckling analysis and ultimate strength prediction of stiffened steel and aluminium panels. The Second International Conference on Advances in Structural Engineering and Mechanics, Pusan. 2002.

Eirik Byklum, Eivind Steen and Jørgen Amdahl, “A semi-analytical model for global buckling and postbuckling analysis of stiffened panels”, Thin-Walled Structures, Vol. 42, No. 5, May 2004, pp. 701-717

Jorgen Amdahl. Course Tmr4205, Buckling and ultimate strength of marine structures. Lecture Notes, 2010.

Zhenhui Liu and Joergen Amdahl, “Numerical and simplified analytical methods for analysis of the residual strength of ship double bottom”, Ocean Engineering, Vol. 52, pp 22-34, October 2012

Sabril Haris and Jorgen Amdahl, “Analysis of ship-ship collision damage accounting for bow and side deformation interaction”, Marine Structures, Vol. 32, pp 18-48, July 2013

Martin Storheim and Joergen Amdahl, “Design of offshore structures against accidental ship collisions”, Marine Structures, Vol. 37, pp 135-172, July 2014

Martin Storheim, Hagbart S. Alsol, Odd Sture Hopperstad and Jorgen Amdahl, “A damage-based failure mode for coarsely meshed shell structures”, International Journal of Impact Engineering, Vol. 83, pp 59-75, September 2015