Publikationen

T. Wagner, S. Leyer, Giuseppe Bonfigli, Nadine Kaczmarkiewicz (2018): Performance of the Passive Core Flooding System in the Integral Tests of the Project EASY. In: 49. Jahrestagung Kerntechnik / 49th Annual Meeting on Nuclear Technology (AMNT 2018), Berlin , 29. - 30. Mai 2018.

T. Wagner, N. Neukam, Giuseppe Bonfigli, Nadine Kaczmarkiewicz, S. Buchholz, F. Schäfer, W. Klein-Hessling (2017): The Code System AC2 for the Simulation of Advanced Reactors within the Frame of the German EASY Project. In: Proceedings of the 17th International Topical Meeting on Nuclear Reactor Thermal Hydraulics (NURETH-17) [September 3-8, 2017; Qujiang Int'l Conference Center, Xi'an, Shaanxi, China].

T. Wagner, N. Neukam, Giuseppe Bonfigli, Nadine Kaczmarkiewicz, S. Buchholz, F. Schäfer, A. Schaffrath (2017): Evidence of Design Basis Accidents Mitigation Solely with Passive Safety Systems within the Frame of the German EASY Project. In: Proceedings of the 17th International Topical Meeting on Nuclear Reactor Thermal Hydraulics (NURETH-17) [September 3-8, 2017; Qujiang Int'l Conference Center, Xi'an, Shaanxi, China].

T. Wagner, S. Leyer, Giuseppe Bonfigli, Nadine Kaczmarkiewicz (2017): Influence of Two-Phase Reverse Flow in the Passive Core Flooding System: Experiments and Simulations within the Frame of the German EASY Project. In: Proceedings of the 17th International Topical Meeting on Nuclear Reactor Thermal Hydraulics (NURETH-17) [September 3-8, 2017; Qujiang Int'l Conference Center, Xi'an, Shaanxi, China].

M. Kloker, Giuseppe Bonfigli, S. Wagner (2014): 3-D-boundary-layer transition induced by superposed steady and travelling crossflow vortices. In: High performance computing in science and engineering '02, [S.l.].

P. Jenny, Giuseppe Bonfigli (2010): Application of the multi-scale-finite-volume method to the simulation of incompressible flows with immersed boundaries. In: New results in numerical and experimental fluid mechanics, Berlin; Heidelberg, vol. 112.

P. Jenny, Giuseppe Bonfigli (2009): An efficient multi-scale Poisson solver for the incompressible Navier-Stokes equations with immersed boundaries. In: Journal of Computational Physics, vol. 228, no. 12, pp. 4568-4587.

Giuseppe Bonfigli (2007): Numerical solution of the incompressible Navier-Stokes equations with explicit integration of the pressure term. In: Proceedings in Applied Mathematics and Mechanics (PAMM), vol. 7, no. 12, pp. 4100019-4100021.

M. Kloker, Giuseppe Bonfigli (2007): Secondary instability of crossflow vortices: validation of the stability theory by direct numerical simulation. In: Journal of Fluid Mechanics, vol. 583, pp. 229-272.

M. Kloker, Giuseppe Bonfigli (2004): Secondary instability of superposed steady and unsteady crossflow vortices. In: New results in numerical and experimental fluid mechanics IV, Berlin; New York, vol. 87.

M. Kloker, Giuseppe Bonfigli (2003): Comparison of DNS and stability theory with respect to the secondary instability of crossflow vortices. In: Euromech Fluid Mechanic Conference (EFMC) 2003, Toulouse, Frankreich.

M. Kloker, Giuseppe Bonfigli (2001): Spatial Navier-Stokes simulation of crossflow-induced transition in a three-dimensional boundary layer. In: New results in numerical and experimental fluid mechanics, Berlin; Heidelberg; New York, vol. 11.

M. Kloker, Giuseppe Bonfigli (2000): Three-dimensional Boundary-Layer Transition Phenomena Investigated by Spatial Direct Numerical Simulation. In: Laminar-Turbulent Transition, Berlin, Heidelberg.

Giuseppe Bonfigli: Numerical simulation of transition and early turbulence in a 3-d boundary layer perturbed by superposed stationary and traveling crossflow vortices.