

Peer-reviewed journal articles by I. Herráez

- D. TRAPHAN, I. HERRÁEZ, P. MEINLSCHMIDT, F. SCHLÜTER, J. PEINKE AND G. GÜLKER, Remote surface damage detection on rotor blades of operating wind turbines by means of infrared thermography, *Wind Energy Science*, vol. 3, p. 639-650, 2018.
- B. DOSE, H. RAHIMI, I. HERRÁEZ, B. STOEVE SANDT AND J. PEINKE, Fluid-structure coupled computations of the NREL 5 MW wind turbine by means of CFD, *Renewable Energy*, vol. 129, p. 591-605, 2018.
- I. HERRÁEZ, E. DANIELE AND J.G. SCHEPERS, Extraction of the wake induction and angle of attack on rotating wind turbine blades from PIV and CFD results, *Wind Energy Science*, vol. 3, p. 1–9, 2018.
- H. RAHIMI, J.G SCHEPERS, W.Z SHEN, N. RAMOS GARCIA, M.S. SCHNEIDER, D. MICALLEF, C.J. SIMAO FERREIRA, E. JOST, L. KLEIN AND I. HERRÁEZ, Evaluation of different methods for determining the angle of attack on wind turbine blades with CFD results under axial inflow conditions *Renewable Energy*, vol. 125, p. 866–876, 2018.
- I. HERRÁEZ, D. MICALLEF, G.A.M. VAN KUIK AND J. PEINKE, Influence of the conservative rotor loads on the near wake of a wind turbine, *Journal of Physics: Conference Series*, vol. 854, 012022, 2017
- I. HERRÁEZ, B. AKAY, G.J.W. VAN BUSSEL, J. PEINKE AND B. STOEVE SANDT, Detailed analysis of the blade root flow of a horizontal axis wind turbine, *Wind Energy Science*, vol. 1, p. 89–100, 2016.
- I. HERRÁEZ, B. STOEVE SANDT AND J. PEINKE, Insight into rotational effects on a wind turbine blade using Navier-Stokes computations, *Energies*, vol. 7, p. 6798–6822, 2014.
- P. LIND, I. HERRÁEZ, M. WÄCHTER AND J. PEINKE, Fatigue load estimation through a simple stochastic model, *Energies*, vol. 7(12), p. 8279–8293, 2014.

- G.A.M. VAN KUIK, D. MICALLEF, I. HERRÁEZ, A.H. VAN ZUJLEN AND D. RAGNI, The role of conservative forces in rotor aerodynamics, *Journal of Fluid Mechanics*, vol. 750, p. 284–315, 2014.
- I. HERRÁEZ, W. MEDJROUBI, B. STOEVE SANDT AND J. PEINKE, Aerodynamic simulation of the MEXICO rotor, *Journal of Physics: Conference Series*, vol. 555, 012051, 2014.