Publications Wolfgang Polifke
August 19, 2019

Reviewed journal articles or conference proceedings


**Dissertation**

Books and monographs


212. A. Cárdenas Miranda and W. Polifke. Study of enhanced heat transfer in generic configurations of pulsating flow. N. A. Adams, R. Radespiel, T. Sattelmayer, W. Schröder, and


Invited talks or journal contributions


19


**Conference contributions**


368. L. Tay-Wo-Chong, T. Komarek, S. Föller, and W. Polifke. LES-based identification of the
dependence of premix flame dynamics on swirler position. *EFMC-8 (8th European Fluid
Mechanics Conference)*, Bad Reichenhall, Germany, 13-16 Sept 2010.

369. R. Kulkarni and W. Polifke. Large eddy simulation of auto-ignition using progress vari-
able approach. *EFMC-8 (8th European Fluid Mechanics Conference)*, Bad Reichenhall,
Germany, 13-16 Sept 2010.

370. R. Kulkarni and W. Polifke. LES of hydrogen auto-ignition in non-premixed case using
progress variable approach. *SPEIC10 - Towards Sustainable Combustion*, Tenerife,
Spain, 16-18 June 2010.

371. J. E. Carneiro, P. Dems, V. Kaufmann, and W. Polifke. Eulerian simulations of polydis-
perse flows using a moments model with a relaxation approach for the moment transport
velocities. *7th Int. Conf. on Multiphase Flow, ICMF 2010*, Tampa, FL, May 30 - June 4
2010.

372. S. Föller, W. Polifke, and D. Tonon. Aero-acoustic characterization of T-junctions based
on large eddy simulation and system identification. *16th AIAA/CEAS Aeroacoustics Con-

373. S. Föller and W. Polifke. Determination of Acoustic Transfer Matrices via Large Eddy
Simulation and System Identification. *16th AIAA/CEAS Aeroacoustics Conference*, AIAA-

in double closed branch systems. *16th AIAA/CEAS Aeroacoustics Conference*, AIAA

375. T. Holzinger, A. Cardenas, and W. Polifke. An analytical solution for acoustic wave propa-
gation in a narrow duct with mean temperature gradient. *16th AIAA/CEAS Aeroacoustics

376. F. Selimefendigil and W. Polifke. A frequency domain system model with coupled modes
for limit cycle prediction of thermoacoustic systems. *n3I – Non-Normal and Nonlinear

effects in thermoacoustic systems. *n3I – Non-Normal and Nonlinear Effects in Aero- and

378. K. Wieczorek, C. Sensiau, W. Polifke, and F. Nicoud. Assessing non-normal effects in
thermoacoustic systems with non zero baseline flow. *n3I – Non-Normal and Nonlinear

aeroacoustic response of ducted low mach number flows. *n3I – Non-Normal and Non-

investigations on the whistling ability of a single hole orifice in a flow duct. *10ème Congrès

381. F. Selimefendigil, R. I. Sujith, and W. Polifke. Identification of heat transfer dynamics for
nonmodal stability analysis of thermoacoustic systems. *Numerical Analysis and Applied


412. V. Fischer, F. Schwertfirm, M. Manhart, and W. Polifke. Statistical distributions of mixture fractions observed in DNS of turbulent ternary mixing. 11th Int. Conf. on Numerical Combustion, Grenada, Spain, 2006. SIAM.


414. J. Kopitz and W. Polifke. Stability analysis of thermoacoustic systems by determination of the open-loop-gain. 12th Int. Congress on Sound and Vibration (ICSV12), Lisbon, Portugal, July 11-14 2005. IIAV.


418. S. W. Yuen, A. M. G. Gentemann, and W. Polifke. Influence of boundary reflection coefficient on the system identifiability of acoustic two-ports. 11th Int. Congress on Sound and Vibration (ICSV11), pages 3501–3508, Saint-Petersburg, Russia, July 5-8 2004. IIAV.

419. W. Polifke and C. Wall. Partially reflecting and non-reflecting boundary conditions for simulation of compressible viscous flow. 11th Int. Congress on Sound and Vibration (ICSV11), pages 813–820, St. Petersberg, Russia, July 5-8 2004. IIAV.


