

Journal Papers (Excerpt)

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Hübenthal, Fabian; Meinke, Matthias; Schröder, Wolfgang - "Surrogate Modeling for Active Drag Reduction in Turbulent Boundary Layer Flows Using Multitask Gaussian Process Regression" - Proceedings in applied mathematics and mechanics : PAMM - vol 24 no 4 content/page e202400186 - [doi:10.1002/pamm.202400186](https://doi.org/10.1002/pamm.202400186)

Tchoupe Sambou, Elio; Lauwers, Daniel; Petersen, Timm; Herrig, Tim; Klink, Andreas; Meinke, Matthias; Schröder, Wolfgang - "Investigating Workpiece Deflection in Precise Electrochemical Machining of Turbine Blades" - Journal of manufacturing and materials processing - vol 8 no 4 content/page 138 - [doi:10.3390/jmmp8040138](https://doi.org/10.3390/jmmp8040138)

Hösgen, Thomas; Meinke, Matthias; Schröder, Wolfgang - "Analysis of Ingress Into the Downstream Wheel Space of a 1.5-Stage Turbine By Full Circumference and Single Blade Passage Large-Eddy Simulations" - Journal of turbomachinery - vol 146 no 9 content/page 091006 - [doi:10.1115/1.4065129](https://doi.org/10.1115/1.4065129)

Hösgen, Thomas; Meinke, Matthias; Schröder, Wolfgang - "Analysis of single-blade passage and full circumference large-eddy simulations of turbine rim seal flows" - Journal of turbomachinery - vol 146 no 4 content/page 041002 - [doi:10.1115/1.4064086](https://doi.org/10.1115/1.4064086)

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Lürkens, Thomas; Meinke, Matthias; Schröder, Wolfgang - "Impact of 2D engine nacelle flow on buffet" - CEAS Aeronautical Journal - vol 15 no 1 content/page 23-35 - [doi:10.1007/s13272-024-00728-8](https://doi.org/10.1007/s13272-024-00728-8)

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Tchoupe Sambou, Elio; Lauwers, Daniel; Herrig, Tim; Klink, Andreas; Meinke, Matthias; Klaas, Michael; Schröder, Wolfgang - "Optical in Situ Analysis of Gas Bubble Evolution in Electrochemical Machining Based on Similarity Theory Using Particle Image Velocimetry" - Procedia CIRP - vol 117 content/page 257-262

Hübenthal, Fabian; Albers, Marian; Meinke, Matthias; Schröder, Wolfgang - "Surrogate-based optimization for active drag reduction of turbulent boundary layer flows" - Proceedings in applied mathematics and mechanics : PAMM - vol 23 no 4 content/page e202300190 - [doi:10.1002/pamm.202300190](https://doi.org/10.1002/pamm.202300190)

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Frotscher, Ophelia; Schaarschmidt, Ingo; Lauwers, Daniel; Paul, Raphael; Meinke, Matthias; Steinert, Philipp; Schubert, Andreas; Schröder, Wolfgang; Richter, Markus - "Investigation of Lorentz force-induced flow of NaNO₃-electrolyte for magnetic field-assisted electrochemical machining" - The international journal of advanced manufacturing technology - vol 121 no 1/2 content/page 937-947 - [doi:10.1007/s00170-022-09349-z](https://doi.org/10.1007/s00170-022-09349-z)

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Fröhlich, Konstantin; Farmand, Pooria; Pitsch, Heinz; Meinke, Matthias; Schröder, Wolfgang - "Particle Reynolds number effects on settling ellipsoids in isotropic turbulence" - International journal of multiphase flow - vol 139 content/page 103566 - [doi:10.1016/j.ijmultiphaseflow.2021.103566](https://doi.org/10.1016/j.ijmultiphaseflow.2021.103566)

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