

[02.3 – Basic Fluid Dynamics and Flow Control]

10.9 _ Transonic Buffet Control

Date	29 September 2016 (Thursday)
Time	10:00–12:30
Place	Track 10 (#205)
Session Chair: W. Wegner	

10.9.1	10:00–10:30	[2016_0127] NEW METHOD OF TRANSONIC BUFFET DECREASING ON SUPERCRITICAL AIRFOIL M.A. Brutyan ¹ , A.V. Petrov ¹ , A.V. Potapchik ¹ ; ¹ TsAGI, Russia
10.9.2	10:30–11:00	[2016_0173] INVESTIGATION OF FLOW CONTROL OVER THE SUPERCRITICAL AIRFOIL BY TANGENTIAL JET BLOWING AT TRANSONIC SPEEDS A.V. Petrov ¹ , A.V. Potapchik ¹ , V.G. Soudakov ¹ ; ¹ TsAGI, Russia
10.9.3	11:00–11:30	[2016_0346] NUMERICAL STUDY ON TRANSONIC BUFFET ACTIVE CONTROL BY OPEN AND CLOSED-LOOP STRATEGIES C.Q. Gao ¹ , W.W. Zhang ¹ , Z.Y. Ye ¹ ; ¹ Northwestern Polytechnical University, China
10.9.4	11:30–12:00	[2016_0455] EFFECTS OF LAMINAR-TURBULENT TRANSITION ON BUFFET ONSET AND TRANSONIC CHARACTERISTICS OF LAMINAR AIRFOIL W. Stalewski ¹ , K. Surmacz ¹ , J. Sznajder ¹ ; ¹ INSTITUTE of AVIATION, Poland
10.9.5	12:00–12:30	[2016_0557] PLASMA CONTROL OF TRANSONIC SHOCK WAVE A. Sidorenko, ITAM, Russia