

# Sixth Iutam Symposium On Laminar-turbulent Transition

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INVITED lectures: Laminar separation bubbles, by M. Gaster; Transient growth with application to bypass transition, by Dan Henningson; The role of external disturbances in laminar-turbulent transition, by Xuesong Wu; Modeling the effects of two-dimensional steps on boundary-layer transition, by Jeffrey D Crouch, V.S. Kosorygin, L.L. Ng; Recent observations in the transition to turbulence in a pipe, by Tom Mullin, J. Peixinho; Localised instability in unsteady separation bubbles, by Jaywant H. Arakeri, S.P. Das, Usha Srinivasan; Interaction of separation and transition in boundary layers: Direct Numerical Simulations, by Herman F. Fasel, Dieter Postl; INSTABILITY I: On fundamental instability mechanisms of nominally two-dimensional separation bubbles, by M. Simens, L. Gonzalez, V. Theofilis, R. Gomez-Blanco; A new stability approach for the flow induced by wall injection, by G. Casalis, F. Chedevergne, Th. Feraille, G. Avalon; INSTABILITY II: The peculiarities of development of forerunners on longitudinal structures fronts in the boundary layer of a straight wing, by V.N. Gorev, M.M. Katasonov, V.V. Kozlov; Observation of nonlinear travelling waves in turbulent pipe flow, by B. Hof, Casimir W.H. van Doorne, J. Westerweel, Frans T.M. Nieuwstadt; INSTABILITY III: A strange instability with growth normal to a boundary layer, by J. J. Healey; Numerical studies of streak instability in boundary layers, by Luca Brandt, Carlo Cossu, Dan S. Henningson, J.M. Chomaz, P. Huerre; A possible linear instability mechanism in small-scale pipe flows, by Kirti Chandra Sahu; Effects of strong adverse pressure gradients and incident wakes on transition and calming, by J.P. Gostelow, R.L. Thomas; INSTABILITY IV: Effect of free-stream turbulence on a compressible laminar boundary layer, by Pierre Ricco, Xuesong Wu; Effect of viscosity stratification on secondary and nonmodal instabilities, by A. Sameen; Spectral element stability analysis of vortical flows, by Michael S. Broadhurst, V. Th EAN/ISBN : 9781402041594 Publisher(s): Springer Netherlands Format: ePub/PDF Author(s): Govindarajan, Rama

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