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**Professor Karl-Fredrik Nilsson** 

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## **Selected Publications:**

K.-F. Nilsson, J.C. Thesken, P. Sindelar, A.E. Giannakopoulos and B. Stoåkers, "A theoretical and experimental investigation of buckling induced delamination growth", Journal of the Mechanics and Physics of Solids, Vol. 41, No. 4, April 1993, pp. 749-782

Bertil Storåkers and Karl-Fredrik Nilsson, "Imperfection sensitivity at delamination buckling and growth", International Journal of Solids and Structures, Vol. 30, No. 8, 1993, pp. 1057-1074

Nilsson, K.-F. and Giannakopoulos, A.E. (1995). A finite element analysis of configurational stability and finite growth of buckling driven delamination. Journal of the Mechanics and Physics of Solids 43, 1983–2021. Nilsson, K., -F., Asp, L. and Alpman, J., "Delamination buckling and growth at global buckling", First International Conference on Damage and Failure of Interfaces, Ed. H.-P. Rossmanith, Vienna, pp193-202, 1997. Singh, S., Asp, L., Nilsson, K., -F. and Alpman, J., "Development of a model for delamination buckling and growth in stiffened composite structures", FFA TN 1998-53, The Aeronautical Research Institute of Sweden, 1998

Greenhalgh, E., S. Singh and K.F. Nilsson, 2000. Mechanisms and modeling of delamination growth and failure of carbon-fiber reinforced skin-stringer panels. ASTM Special Tech. Public., 1383: 49-71. DOI: 10.1520/STP14504S

Nilsson K.-F., Asp L.E., Alpman J.E., Nystedt L.: Delamination buckling and growth for delaminations at different depths in a slender composite panel. Int. J. Solids and Structures, 38, 3039-3071 (2001). Nilsson, K.F., L.E. Asp and A. Sjogren, 2001. On transition of delamination growth behavior for compression

loaded composite panels. J. Solids Struc., 38: 8407-8440.

Emile Greenhalgh, Sunil Singh and Karl-Fredrik Nilsson, "Mechanisms and Modelling of Delamination Growth and Failure of Carbon-Fibre Reinforced Skin-Stringer Panels", in "Composite Structures: Theory and Practice" STP 1383, 2001

Leif E. Asp and Karl-Fredrik Nilsson, "Delamination Criticality in Slender Compression-Loaded Composite Panels", Key Engineering Materials (Volumes 221 - 222), Experimental Techniques and Design in Composite Materials 5, 2002, pp. 3-16

Oliver Martin, Karl-Fredrik Nilsson and Nikola Jaksic, "On plastic collapse analysis of KBS-3 canister mockup", JRC Scientific and Technical Reports, EUR 23224 EN, Joint Research Center (JRC), European Communities, 2007