Chapter 7

OPTIMAL ADHESION CONTROL VIA COOPERATIVE HIERARCHY, GRADING, GEOMETRIES AND NON-LINEARITY OF ANCHORAGES AND ADHESIVE PADS

Lucas Brely $^{\!(1)}$, Daniele Liprandi $^{\!(1)}$, Federico Bosia $^{\!(1)}$, and Nicola M. $Pugno^{(2,3,4)^*}$

Department of Physics and "Nanostructured Interfaces and Surfaces" Centre, Università di Torino, Via P. Giuria 1, 10125, Torino (Italy).

- (1) Laboratory of Bio-Inspired & Graphene Nanomechanics, Department of Civil, Environmental and Mechanical Engineering, Università di Trento, via Mesiano, 77, I-38123 Trento, Italy.
- (2) Center for Materials and Microsystems, Fondazione Bruno Kessler, Via Sommarive 18, I-38123 Povo (Trento), Italy.
- (3) School of Engineering and Materials Science, Queen Mary University of London, Mile End Road, London E1 4NS.
- (*) Corresponding author: nicola.pugno@unitn.it