

ELISA RIEDO

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EDUCATION AND WORK EXPERIENCE

- * Nov. 1990 – Nov. 1995: B.S. in Physics, University of Milano: *Summa cum Laude*
- * Nov. 1996 – Jan. 2000: Ph.D. (Physics), University of Milano
- * Dec. 1999 – July 2003: Post Doctoral Fellow, École Polytechnique Fédérale de Lausanne (EPFL)

FUNDING

- * NSF grant starting June 2004. Single Investigator. 3 Years.
- * APS Petroleum Research grant, pending. Single Investigator.

UNDERGRADUATE, GRADUATE, POST DOCTORAL ADVISING

- * 1 Post Doc Fellow: Robert Szoszkiewicz.
- * 5 Special Problems Graduate Students and 2 Undergraduate Students.

SELECTED PUBLICATIONS

1. E. Riedo, I. Palaci, C. Boragno, H. Brune, “ $2/3$ power law dependence of Capillary Force on Normal Load”, in press in *J. Phys. Chem. B*.
2. E. Riedo, F. Levy, H. Brune, “Young Modulus dependence of Nanoscopic Friction Coefficient in Hard Coatings”, *Appl. Phys. Lett.* **83**, 1986, (2003).
3. E. Riedo, E. Gnecco, R. Bennewitz, E. Meyer, H. Brune, “Interaction Potential and Hopping Dynamics Governing Sliding Friction”, *Phys. Rev. Lett.* **91**, 084502, (2003). (*Highlighted by Virtual Journal of Nanoscale Science & Technology 2003*).
4. E. Riedo, F. Levy, H. Brune, “Kinetics of capillary condensation in nanoscopic sliding friction”, *Phys. Rev. Lett.* **88**, 185505-4, (2002). (*Highlighted by Nature Material May 2002 and Virtual Journal of Nanoscale Science & Technology April 29, 2002*).
5. E. Riedo, F. Comin, J. Chevrier, A. M. Bonnot, “Composition and chemical bonding of pulsed laser deposited carbon nitride thin films”, *J. Appl. Phys.* **88**, 4365, (2000).