

The Influence of Human Physical Activity and Contaminated Clothing Type on Particle Resuspension

A. McDonagh^{a,*} and M. A. Byrne^a

*^aSchool of Physics and C-CAPS, The Ryan Institute,
National University of Ireland Galway (NUIG), Ireland.*

***Corresponding author details:**

Name: Dr Ann McDonagh

Postal address: Pathogen Control Engineering (PaCE) Institute, School of Civil Engineering,
University of Leeds, Leeds LS2 9JT, United Kingdom.

Telephone: +44 (0) 113 343 1957

Fax: +44 (0) 113 343 2265

Email: mcdonagh.ann@gmail.com; A.McDonagh@leeds.ac.uk

AB36-COMM-2-4

- Lange, C., 1995. Indoor deposition and the protective effect of houses against airborne pollution [Ph.D. thesis]. Technical University of Denmark, DTU. Riss-R- 780(en). ISBN 87-550-2024-0.
- Long, C. M., Suh, H. H. and Koutrakis, P., 2000. Characterization of indoor particle sources using continuous mass and size monitors. *J. Air Waste Manage. Assoc.* 50, 1236-1250.
- Ranz, W. E. and Wong, J. B., 1952. Impaction of Dust and Smoke Particles on Surface and Body Collectors. *Ind. Eng. Chem.* 44, 1371-1381.
- Rim, D. and Novoselac, A., 2009. Transport of particulate and gaseous pollutants in the vicinity of a human body. *Build. Environ.* 44, 1840-1849.
- Thatcher, T. L. and Layton, D. W., 1995. Deposition, resuspension, and penetration of particles within a residence. *Atmos. Environ.* 29, 1487-1497.
- Wessel, R.A. and Righi, J., 1988. Generalized Correlations for Inertial Impaction of Particles on a Circular Cylinder. *Aerosol Sci. Technol.* 9, 29-60.
- Wikipedia, [http://en.wikipedia.org/wiki/Reel_\(dance\)](http://en.wikipedia.org/wiki/Reel_(dance)), accessed Nov 19th, 2011.
- Wu, Y.-L., Davidson, C. I. and Russell, A. G., 1992. Controlled Wind Tunnel Experiments for Particle Bounceoff and Resuspension. *Aerosol Sci. Technol.* 17, 245-262.