

CURRICULUM di Francesco Tampieri

Nato a Bologna il 5 ottobre 1949

Laureato in Fisica, Università di Bologna, 1972

Ricercatore CNR: 1976-2014 (dirigente di ricerca dal 1991)

Professore a contratto Università di Bologna, corso 'Strato limite planetario e processi diffusivi': 2002-2015.

Interessi di ricerca:

dinamica dei flussi geofisici e fisica dell'atmosfera, con speciale attenzione a studi teorici, sperimentali e modellistici riguardanti lo strato limite atmosferico e i processi di trasporto e dispersione.

Libri

Tampieri, F. 2017. Turbulence and Dispersion in the Planetary Boundary Layer. Springer, 241 pp.

Articoli 2019-2023

M. Schiavon, F. Barbano, L. Brogno, L. S. Leo, F. Tampieri, S. Di Sabatino, 2023. On the parametrizations for the dissipation rate of the mean turbulence kinetic energy in stable conditions. Accepted for publication on BAST Bulletin of Atmospheric Sciences and Technology

M. Schiavon, F. Tampieri, M. Caggio, M. Mazzola, A. P. Viola, 2023. The effect of submeso motions on the budgets of the mean turbulent kinetic energy and temperature variance in the stable atmospheric surface layer. Boundary-Layer Meteorology, 186, 595-613.
<https://doi.org/10.1007/s10546-022-00774-x>

S. Trini Castelli, L. Mortarini, D. Cava, P. Martano, S. Argentini, G. Casasanta, I. Petenko, R. Sozzi and F. Tampieri, 2023. Assessing the departures from the Energy- and Flux-Budget (EFB) model in heterogeneous and urbanized environment for stable atmospheric stratification. Boundary-Layer Meteorology. DOI: 10.1007/s10546-023-00785-2

M. Caggio, M. Schiavon, F. Tampieri, T. Bodnar, 2022. Closure scheme for stably stratified turbulence without critical Richardson number. Springer Nature Applied Sciences, 4, 214. DOI 10.1007/s42452-022-05088-8

F. Barbano, L. Brogno, F. Tampieri, S. Di Sabatino, 2022. Interaction Between Waves and Turbulence Within the Nocturnal Boundary Layer. Boundary-Layer Meteorology 183, 35-65. DOI: 10.1007/s10546-021-00678-2

M. Mazzola, A. P. Viola, T. Choi, F. Tampieri, 2021. Characterization of Turbulence in the Neutral and Stable Surface Layer at Jang Bogo Station, Antarctica. Atmosphere 2021, 12(9), 1095; DOI:10.3390/atmos12091095

R. Cesari, T. C. Landi, M. D'Isidoro, M. Mircea, F. Russo, P. Malguzzi, F. Tampieri, A. Maurizi, 2021. The On-Line Integrated Mesoscale Chemistry Model BOLCHEM (2021). Atmosphere, 12, 192.

M. Schiavon, F. Tampieri, M. Caggio, T. Bodnar, 2020. The effect of submeso motions on Second-Order Moment Budgets in the Stable Atmospheric Boundary Layer. Proceedings Topical Problems of Fluid Mechanics, Prague, 2020. Edited by David Miurda and Tomas Bodnar, pp. 192-199.

M. Schiavon, F. Tampieri, F. C. Bosveld, M. Mazzola, S. Trini Castelli, A. P. Viola, C. Yagüe, 2019. The Share of the Mean Turbulent Kinetic Energy in the Near-Neutral Surface Layer for High and Low Wind Speeds. Boundary-Layer Meteorology, 172, 81-106.

Indici bibliometrici

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