

Referred papers (last 5 years):

- Absi R. "Vertical mixing in the fully developed turbulent layer of sediment-laden open-channel flow: Discussion", **Journal of Hydraulic Engineering, ASCE**, *accepted*.
- Absi R., (2010) "Concentration profiles for fine and coarse sediments suspended by waves over ripples: An analytical study with the 1-DV gradient diffusion model", **Advances in Water Resources**, Elsevier, 33(4), 411–418.
- Lagriffoul A., Boudenne J.L., Absi R., *et al.*, (2010) "Bacterial-based additives for the production of artificial snow: What are the risks to human health?", **Science of the Total Environment**, Elsevier, 408(7), 1659-1666.
- Absi R. (2009) "A simple eddy viscosity formulation for turbulent boundary layers near smooth walls", **Comptes Rendus Mecanique**, Elsevier, 337, 158-165.
- Absi R. (2008) "Analytical solutions for the modeled k -equation", **ASME Journal of Applied Mechanics**, American Society of Mechanical Engineers, 75(4), 044501.
- Absi R. (2008) "Comments on 'Turbulent velocity profile in fully-developed open channel flows'", **Environmental Fluid Mechanics**, Springer, 8(4), 389-394.
- Cherif E.-A., Absi R., *et al.* (2008) "Modélisation numérique des processus de transport des sédiments et de l'évolution des fonds", **European Journal of Environmental and Civil Engineering**, Lavoisier/Hermès, 12(1-2), 87-104.
- Absi R. (2006) "One-dimensional wave bottom boundary layer model comparison: specific eddy viscosity and turbulence closure models: Discussion", **Journal of Waterway, Port, Coastal and Ocean Engineering, ASCE**, American Society of Civil Engineers, 132(2), 139-141.
- Absi R. (2006) "A roughness and time dependent mixing length equation", **Japan Society of Civil Engineers, Doboku Gakkai Ronbunshuu B**, 62(4), 437-446.
- Absi R. (2005) "Comment on 'Turbulent diffusion of momentum and suspended particles: A finite-mixing-length-theory'", **Physics of Fluids**, American Institute of Physics, 17(7), 079101.

Conference papers (last 5 years):

- Absi R. , Porté-Agel F. (2009) "Large-eddy simulation of particle-laden flows with a scale-dependent dynamic subgrid-scale model", In **Turbulence, Heat and Mass Transfer 6**, Begell House Inc., ISBN 978-1-56700-262-1, pp. 733-736.
- Absi R. (2009) "Analytical methods for velocity distribution and dip-phenomenon in narrow open-channel flows", **Environmental Hydraulics: Theoretical, experimental and computational solutions**, Valencia, CRC Press / Balkema, Taylor & Francis, pp. 127-129.
- El Gharbi N., Absi R., *et al.* (2009) "Effect of near-wall treatments on airflow simulations", *Proc. International Conference on Computational Methods for Energy Engineering and Environment*, Sousse, pp 185-189 (Best Poster Award).
- Absi R., Le Gall C., *et al.* (2008) " Interprétation des profils de concentration pour des particules de sable en suspension de différentes tailles" *Proc. Xth National Symposium of Civil and Coastal Engineering*, Sophia Antipolis, ISBN 2-9505787-9-9, pp. 9-18.
- Absi R. (2006) "On the effect of sand grain size on turbulent mixing", *Proc. 30th International Conference on Coastal Engineering*, ASCE, San Diego, Jane McKee Smith (editor), ISBN 978-981-270-636-2, pp 3019-3029.
- Absi R. and Bennacer R. (2006) "A new wall function for turbulent kinetic energy k ", In *Turbulence, Heat and Mass Transfer 5*, K. Hanjalic, Y. Nagano and S. Jakirlic (editors), Begell House Inc., ISBN 1-56700-229-3, pp. 389-392.
- Absi R. (2005) "Modeling turbulent mixing and sand distribution in the bottom boundary layer", *Proc. 5th International Conference Coastal Dynamics*, Reston, VA: ASCE / Copri, ISBN 0-7844-0855-6.

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Reviewer for journals

- Journal of Fluids Engineering, American Society of Mechanical Engineers;
- Advances in Water Resources, Elsevier;
- Journal of Hydraulic Engineering, American Society of Civil Engineers;
- Journal of Hydrologic Engineering, American Society of Civil Engineers;