Record Nr. UNINA9910456116803321 Advances in environmental fluid mechanics [[electronic resource] /] / **Titolo** Dragutin T. Mihailovic, Carlo Gualtieri, editors Singapore;; Hackensack, N.J.,: World Scientific, c2010 Pubbl/distr/stampa **ISBN** 1-282-76195-1 9786612761959 981-4293-00-8 Descrizione fisica 1 online resource (380 p.) Altri autori (Persone) MihailovicDragutin T GualtieriCarlo 620.106 Disciplina Soggetti Fluid mechanics Geophysics - Fluid models Environmental hydraulics Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Turbulent dispersion: how results for the zero molecular diffusivity case can be used in the real world / Nils Mole, Philip Christopher Chatwin and Paul J. Sullivan -- Hierarchy and interactions in environmental interfaces regarded as biophysical complex systems / Dragutin T. Mihailovic and Igor Balaz -- Some recent advances in modeling stable atmospheric boundary layers / Branko Grisogono --Modelling of stratified and turbulent flow / Vladimir Fuka, Josef

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## Sommario/riassunto

Environmental fluid mechanics (EFM) is the scientific study of transport, dispersion and transformation processes in natural fluid flows on our planet Earth, from the microscale to the planetary scale. This book brings together scientists and engineers working in research institutions, universities and academia, who engage in the study of theoretical, modeling, measuring and software aspects in environmental fluid mechanics. It provides a forum for the participants, and exchanges new ideas and expertise through the presentations of up-to-date and recent overall achievements in this field.