1. Record Nr. UNINA9910437951403321

Titolo	Experimental and computational solutions of hydraulic problems / / Pawe Rowinski, editor
Pubbl/distr/stampa	Berlin, : Springer, 2013
ISBN	3-642-30209-2
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (425 p.)
Collana	GeoPlanet, , 2190-5193
Altri autori (Persone)	RowinskiPawe
Disciplina	532
Soggetti	Hydraulics Hydraulic engineering
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.
Nota di contenuto	pt. 1. Experimental solutions of hydraulic problems -- pt. 2. Computational solutions of hydraulic problems.
Sommario/riassunto	What is the progress in hydraulic research? What are the new methods used in modeling of transport of momentum, matter and heat in both open and conduit channels? What new experimental methods, instruments, measurement techniques, and data analysis routines are used in top class laboratory and field hydro-environment studies? How to link novel findings in fundamental hydraulics with the investigations of environmental issues? The consecutive 32nd International School of Hydraulics that took place in ochów, Poland brought together eminent modelers, theoreticians and experimentalists as well as beginners in the field of hydraulics to consider these and other questions about the recent advances in hydraulic research all over the world. This volume reports key findings of the scientists that took part in the meeting. Both state of the art papers as well as detailed reports from various recent investigations are included in the book.

2. Record Nr. UNINA9910346948203321

Autore	Klinger Julius Friedrich
Titolo	Tolerance Simulation in the Loop : Ansatze zur Verbesserung der Vorhersagegenauigkeit der Toleranzsimulation im Automobilbau durch Adaption an reale Fertigungsprozesse
Pubbl/distr/stampa	KIT Scientific Publishing, 2019
ISBN	1000088265
Descrizione fisica	1 online resource (XXI, 166 p. p.)
Collana	Reihe Informationsmanagement im Engineering Karlsruhe / Hrsg.: Karlsruher Institut für Technologie, Institut für Informationsmanagement im Ingenieurwesen (IMI)
Soggetti	Technology: general issues
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The dimensional accuracy in the body-in-white manufacturing process is analysed, basically confirming the simulation scope already in use. An enhanced prediction approach and a visualisation tool enable a precise and cost-efficient mapping of stamped parts deviation. As a result of joining operations parts can be deformed plastically, questioning the practical use of elastic tolerance simulation. A modified approach is presented based on the rigid body tolerance simulation.