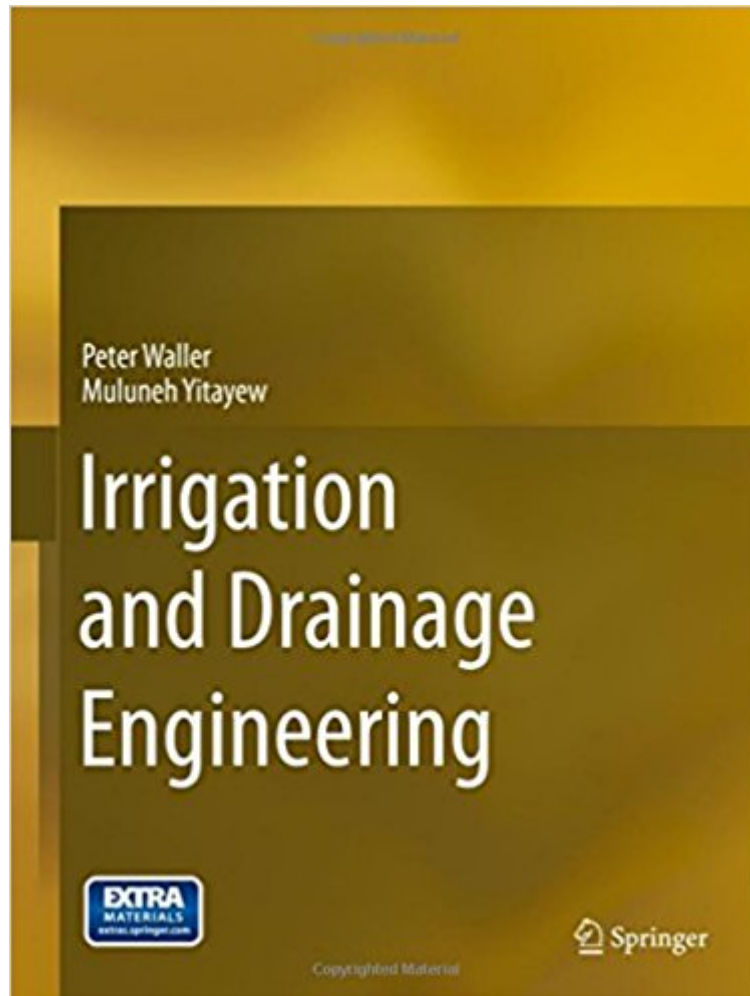




Ebook Directory
the best source of ebook

The book was found

Irrigation And Drainage Engineering



Synopsis

This textbook focuses specifically on the combined topics of irrigation and drainage engineering. It emphasizes both basic concepts and practical applications of the latest technologies available. The design of irrigation, pumping, and drainage systems using Excel and Visual Basic for Applications programs are explained for both graduate and undergraduate students and practicing engineers. The book emphasizes environmental protection, economics, and engineering design processes. It includes detailed chapters on irrigation economics, soils, reference evapotranspiration, crop evapotranspiration, pipe flow, pumps, open-channel flow, groundwater, center pivots, turf and landscape, drip, orchards, wheel lines, hand lines, surfaces, greenhouse hydroponics, soil water movement, drainage systems design, drainage and wetlands contaminant fate and transport. It contains summaries, homework problems, and color photos. The book draws from the fields of fluid mechanics, soil physics, hydrology, soil chemistry, economics, and plant sciences to present a broad interdisciplinary view of the fundamental concepts in irrigation and drainage systems design.

Book Information

Hardcover: 742 pages

Publisher: Springer; 1st ed. 2016 edition (November 19, 2015)

Language: English

ISBN-10: 3319056980

ISBN-13: 978-3319056982

Product Dimensions: 8.4 x 1.6 x 11.3 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #714,273 in Books (See Top 100 in Books) #16 in [Books > Science & Math > Agricultural Sciences > Irrigation](#) #84 in [Books > Science & Math > Chemistry > Geochemistry](#) #161 in [Books > Engineering & Transportation > Engineering > Civil & Environmental > Hydrology](#)

Customer Reviews

This textbook focuses specifically on the combined topics of irrigation and drainage engineering. It emphasizes both basic concepts and practical applications of the latest technologies available. The design of irrigation, pumping, and drainage systems using Excel and Visual Basic for Applications programs are explained for both graduate and undergraduate students and practicing engineers. The book emphasizes environmental protection, economics, and engineering design processes. It

includes detailed chapters on irrigation economics, soils, reference evapotranspiration, crop evapotranspiration, pipe flow, pumps, open-channel flow, groundwater, center pivots, turf and landscape, drip, orchards, wheel lines, hand lines, surfaces, greenhouse hydroponics, soil water movement, drainage systems design, drainage and wetlands contaminant fate and transport. It contains summaries, homework problems, and color photos. The book draws from the fields of fluid mechanics, soil physics, hydrology, soil chemistry, economics, and plant sciences to present a broad interdisciplinary view of the fundamental concepts in irrigation and drainage systems design.

Peter Waller trained as an irrigation engineer at the University of California at Davis. He then spent two years working as an irrigation sales engineer in California and Washington State. He received a doctorate in agricultural engineering at UC Davis and moved to the University of Arizona in 1994 where he is now an Associate Professor in the Agricultural and Biosystems Engineering Department. Dr. Waller's primary research areas include algae for biofuels, precision agriculture and irrigation, and he has taught irrigation and drainage courses at the University of Arizona for 20 years. Muluneh Yitayew is Professor of Agricultural and Biosystems Engineering at The University of Arizona. He got his B.S. degree in agricultural engineering from Haile Selassie I University, Ethiopia and his Ph.D. in civil engineering from The University of Arizona, USA. After his PhD, he went to the University of California, Riverside to work as a research associate focusing on defining water duty for California. He joined the Department of Agricultural and Biosystems at the University of Arizona in 1984. Since then he has taught both undergraduate and graduate courses in irrigation engineering, drainage engineering, hydraulics, hydrology, hydraulic structures, and soil and water resources engineering to all levels of students at the University of Arizona, USA, Addis Ababa Institute of Technology, and Arba Minch University, Ethiopia. He has published numerous articles in various scholarly journals and authored several book chapters in civil engineering and irrigation. Dr. Yitayew has also cooperated with international engineers and scientists in the Middle East, North Africa, East Africa and Europe for over thirty years.

[Download to continue reading...](#)

Irrigation and Drainage Engineering Micro Irrigation Management: Technological Advances and Their Applications (Innovations and Challenges in Micro Irrigation) Turf Irrigation Manual: The Complete Guide to Turf and Landscape Irrigation Systems Irrigation Engineering Swollen, Bloated and Puffy: A manual lymphatic drainage therapist's guide to reducing swelling in the face and body Lymphatic Drainage of the Skin and Breast: Locating the Sentinel Nodes Practical Drainage for

Golf, Sportsturf and Horticulture A September To Remember: The 2013 Colorado Flood Within The Urban Drainage and Flood Control District Street Drainage Design and Modeling Wetland Drainage, Restoration, and Repair Venolymphatic Drainage Therapy: an osteopathic and manual therapy approach, 1e Textbook of Dr. Vodder's Manual Lymph Drainage Dr. Vodder's Manual Lymph Drainage: A Practical Guide Lymphatic Drainage Foundations of Manual Lymph Drainage, 3e Gravity Sanitary Sewer Design and Construction (ASCE Manuals and Reports on Engineering Practice No. 60) (Asce Manuals and Reports on Engineering ... Manual and Reports on Engineering Practice) Introduction to Coastal Engineering and Management (Advanced Series on Ocean Engineering) (Advanced Series on Ocean Engineering (Paperback)) Tissue Engineering II: Basics of Tissue Engineering and Tissue Applications (Advances in Biochemical Engineering/Biotechnology) Earthquake Engineering: From Engineering Seismology to Performance-Based Engineering G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)