



River Publishers Series in Software Engineering

Engineering Agile Big-Data Systems

Editors:

Kevin Feeney, Trinity College Dublin, Ireland
 Jim Davies, Oxford University, United Kingdom
 James Welch, Oxford University, United Kingdom
 Sebastian Hellmann, University of Leipzig, Germany
 Christian Dirschl, Wolters Kluwer, Germany
 Andreas Koller, Semantic Web Company, Austria
 Pieter Francois, Oxford University, United Kingdom
 Arkadiusz Marciniak, Adam Mickiewicz University, Poland

ISBN: 9788770220163

e-ISBN: 9788770220156

Available From: October 2018

Price: € 95.00

Description:

To be effective, data-intensive systems require extensive ongoing customisation to reflect changing user requirements, organisational policies, and the structure and interpretation of the data they hold. Manual customisation is expensive, time-consuming, and error-prone. In large complex systems, the value of the data can be such that exhaustive testing is necessary before any new feature can be added to the existing design. In most cases, the precise details of requirements, policies and data will change during the lifetime of the system, forcing a choice between expensive modification and continued operation with an inefficient design.

Engineering Agile Big-Data Systems outlines an approach to dealing with these problems in software and data engineering, describing a methodology for aligning these processes throughout product lifecycles. It discusses tools which can be used to achieve these goals, and, in a number of case studies, shows how the tools and methodology have been used to improve a variety of academic and business systems.



Keywords: Software engineering, data engineering, big data, Semantic Web, software engineering methodology, RDF, OWL

Denmark Head Office

Alsbergvej 10
 9260 Gistrup
 Denmark
www.riverpublishers.com
 Email: info@riverpublishers.com

USA Office

Indianapolis, IN
 USA
 Tel.: +1-3176899634
 Email: rajeev.prasad@riverpublishers.com

UK Office

River Publishers
 Email: philippa.jefferies@riverpublishers.com