Process for System Architecture and Requirements Engineering

by Derek Hatley, Peter Hruschka, and Imtiaz Pirbhai

Build Better Systems Using This Update to the Highly Acclaimed Hatley/Pirbhai Methods

Derek Hatley and Imtiaz Pirbhai—authors of Strategies for Real-Time System Specification—join with influential consultant Peter Hruschka to present a much anticipated update to their widely implemented Hatley/Pirbhai methods.

Process for System Architecture and Requirements Engineering introduces a new approach that is particularly useful for multidisciplinary system development: It applies equally well to all technologies and thereby provides a common language for developers in widely differing disciplines.

The Hatley/Hruschka/Pirbhai approach (H/H/P) has another important feature: the coexistence of the requirements and architecture methods and of the corresponding models they produce. These two models are kept separate, but the approach fully records their ongoing and changing interrelationships. This feature is missing from virtually all other system and software development methods and from CASE tools that only automate the requirements model.

System managers, system architects, system engineers, and managers and engineers in all of the diverse engineering technologies will benefit from this comprehensive, pragmatic text. The text is illustrated with case studies from a hospital’s patient-monitoring system and a multidisciplinary groundwater analysis system to illustrate the principles.

Read more about this book at www.dorsethouse.com/books/psare.html and www.psare.com