

O-O Requirements Analysis and Logical Design

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Abstract: This tutorial provides an in-depth introduction into the software requirements and logical design activity of ADM4, a fourth generation object-oriented systems and software development method designed for use on large, complex, and even real-time applications. Three static architecture and three dynamic behaviour models are presented. These six models will be captured using associated diagramming techniques and OOSDL a concurrent, object-oriented specification and design language based on Eiffel, Dragoon, ADA and ADM4. The material in this tutorial significantly updates the information in the book *Object-Oriented Requirements Analysis and Logical Design: A Software Engineering Approach*, published by John Wiley & Sons (1993).

Donald Firesmith is the President of Advanced Software Technology Specialists (ASTS), an object-oriented training and consulting company and the author of *Object-Oriented Methods, Standards and Procedures* (Prentice Hall, 1993). He is the developer and maintainer of the ADM development method and the OOSDL specification and design language.