

Introduction to
Systems
Analysis
and
Design

I. T. Hawryszkiewycz

Second edition

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Introduction to SYSTEMS ANALYSIS AND DESIGN

Second edition

Igor T. Hawryszkiewycz

This is the second edition of an extremely well received text. It stresses structural modeling techniques for data flows and processes and shows how these can be integrated into systems design methodologies. It is a thorough and lucid introduction to the subject for students of data processing, computing, accounting and management.

Features:

- ◆ **NEW** – Expanded treatment of information gathering/interviewing.
- ◆ **NEW** – Updated coverage of combining data flows and data analysis.
- ◆ **NEW** – Updated practical design methodologies (Chapter 16 now includes IEW and SSADM).
- ◆ **NEW** – Additional chapter on Relational Analysis Integrated with Design.
- ◆ Includes techniques to model all system components, including data flow diagrams, E-R diagrams, and process specification at relational analysis.
- ◆ Provides a strong coverage of methods used by analysts for data gathering and decision methods used in early project states for problem definition, identification of alternative solutions and cost benefit analysis.
- ◆ Two detailed case studies are developed through the book and each chapter concludes with a set of problems.

Igor Hawryszkiewycz is Professor and Head of the School of Computing Sciences at The University of Technology, Sydney, Australia. He is the author of *Relational Database Design: An Introduction*, also published by Prentice Hall.

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