

CASE in the '90 s

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(Invited speaker)

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Abstract

Modern CASE tools have now been commercially available for about five years, and have shown to improve the quality of software projects and the productivity of software designers. Most of these tools address a specific task within the software development life cycle, without giving significant attention to how they fit into a suite of integrated tools in a comprehensive software development environment. As the next generation of CASE tools emerges over the next couple of years, integration of tools will be a central issue.

This talk addresses some of the characteristics of these forthcoming CASE environments, including *integrated life cycle support, emerging standards, tool integration, distributed CASE, software reengineering and object orientation and reusability.*

Examples are taken from various products, research projects, and standardization efforts to present the likely future direction in CASE environments. This presentation emphasizes the above technical issues, giving secondary attention to organizational and managerial issues associated with the introduction and successful use of CASE within organizations.

Anthony I. Wasserman is founder and President of Interactive Development Environments (IDE), developer of the Software through Pictures® integrated CASE environment, and is regarded as a pioneer of the CASE industry. Before starting IDE, Tony was a University of California professor. He was the founder and first elected Chairman of ACM's Special Interest Group on Software Engineering (SIGSOFT).

He has edited seven books and written many articles on software engineering and software development environments. He is co-editor of the best selling tutorials, *Software Design Techniques*, and editor of *Software Development Environments*, both published by IEEE Press. He is a co-developer of the Object-Oriented Structured Design notation. Wasserman received his Ph.D. degree in Computer Sciences from the University of Wisconsin – Madison. He is a member of ACM and the IEEE Computer Society. Wasserman is also a recipient of the IFIP Silver Core award.