

SEWORLD) Larry Constantine to receive 16th Stevens Award (2009)

Larry Constantine has been named as the 2009 recipient of the international Stevens Award and will give the 16th Stevens Lecture on Software Development Methods.

The presentation will take place on Tuesday morning, **21 April 2009 in Salt Lake City, Utah**, as a keynote plenary session of the **Systems & Software Technology Conference (SSTC)**, sponsored by the U.S. Department of Defense. The session will be held in the main ballroom of the Salt Palace Conference Center.

The international Stevens Award was created to recognize outstanding contributions to the literature or practice of methods for software and systems development. The lecture presentations focus on lessons learned and challenges, with an emphasis on advancing or analyzing the state of software methods and their direction for the future.

This prestigious award lecture is named in memory of Wayne Stevens (1944-1993), a highly-respected consultant, author, pioneer, and advocate of the practical application of software methods and tools. His 1974 IBM Systems Journal article "Structured Design" was the first published on the topic and has been widely reprinted. Stevens was the author of the books: *Software Design: Concepts and Methods* (Prentice-Hall Intl, 1991) and *Using Structured Design* (Wiley, 1981). His last article "Data Flow Analysis and Design" appears in the *Encyclopedia of Software Engineering* (Wiley, 1994). Stevens was the chief architect of application development methodology for IBM's consulting group.

LARRY CONSTANTINE

Most widely known as the formative creator of quality concepts in Structured Design, Larry Constantine is a pioneer of structured methods, quality metrics, interaction design, and user performance in safety-critical applications.

Combining his background in psychology and family therapy with his technical skills in information technology and software engineering, he has been a principal thought-leader in the human side of software development.

Prof. Constantine is Director of the Laboratory for Usage-centered Software Engineering at the University of Madeira, Portugal, and a faculty member in the Department of Mathematics and Engineering. He is an ACM Fellow recognized for his contributions to software design, well known as one of the pioneers of modern software engineering theory and practice, including seminal contributions of data-flow diagrams and the metric concepts of coupling and cohesion. An award-winning designer specializing in interaction design and techniques for enhancing user performance in safety-critical applications, he is a persistent innovator with a number of patents in human-machine interaction to his credit. His publications include more than 175 articles and papers and 17 books in both the human

sciences and computer sciences, including Software for Use (Addison-Wesley), winner of the Jolt Award as best book of 1999.

Previous Stevens Award Recipients

The 15 prior recipients of the Stevens Award are:

- Harry Sneed (2008), for his leadership in the principled growth of software maintenance techniques and their industrialization;
- Nicholas Zvegintzov (2007), for his career leading the practice and understanding of software maintenance;
- Grady Booch (2006), for leadership in object-oriented analysis and the development of the Unified Modeling Language (UML);
- Mary Shaw (2005), instrumental in the foundations of software architecture and software engineering education(USA);
- Jim Highsmith (2005), advocate and promoter of agile and adaptive methods in software development and project management;
- Francois Bodart (2004), research leader in practical applications of systems development technologies (Belgium);
- Manny Lehman (2003), authority on software evolution (United Kingdom);
- Cordell Green (2002), founder and chairman of Kestrel Institute (USA);
- Peter Chen (2001), advocate of entity-relationship modeling (USA);
- Gerald Weinberg (2000), noted author on understanding how people and software technology work together (USA);
- Tom DeMarco (1999), principal of Atlantic Systems Guild and noted analyst and authority on software project management, methods, and people processes (USA);
- Tom McCabe (1998), software metrics expert and creator of cyclomatic complexity analysis (USA);
- Michael Jackson (1997), creator of the Jackson Software Development methods (United Kingdom);
- David Harel (1996), professor at the Weizmann Institute of Science (Israel) and founder of i-Logix and the Statemate toolset; and,
- Tony Wasserman (1995), founder and chairman of Interactive Development Environments and researcher on software tools (USA).

The Stevens Award and lecture is managed by the Reengineering Forum (REF) industry association. The award was founded by IWCASE, an international workshop association of users and developers of Computer Aided Software Engineering (CASE) technology, recently merged into REF. Stevens was a member of the IWCASE executive board.

Reference web sites:

SSTC conference: <http://sstc-online.org/>

Stevens Award: <http://reengineer.org/stevens/>

