CURRICULUM VITAE

Professional/Scholarly Presentations
Presentations

Liang, Sheldon, “re-ADA: Reliable Ada-based Descriptive Architecture for C4ISR via a Quantitative Model”, ACM SIGAda’08, Oct. 26-31, 2008, Portland, OR

Liang, Sheldon, “The 7 Laws of the Bridges Between Teaching & Learning: Comprehension-Oriented Teaching & Learning (COTL)”, 28th International Lilly Conference on College Teaching, Miami University, Lilly 2008 Contributed Topic.

Liang, Sheldon. "Perspective-based Architectural Approach for Dependable Systems", ICSE’03, Workshop on Software Architecture for Dependable Systems, Portland, 2003.

Liang, Sheldon. "Composition Modeling: Towards a Prototype-driven Product Transition," IASTED International Conference on Software Engineering and Applications, Marina Del Rey, 2003.

Liang, Sheldon. "An Architectural Style for Event-based Implicit Invocation", ISES’01: International Software Engineering Symposium, Wuhan, China, 2001.

Liang, Sheldon. "Formal Approach for System Safety Analysis and Assessment via an Instantiated Activity Model", 21st International System Safety Conference, Ottawa, Canada, 2003.

Liang, Sheldon. "Remolding Diversified Objects in Ada95: Toward A-Object Patterns", ISES’01: International Software Engineering Symposium, Wuhan, China, 2001.

Publications

Liang, Sheldon, Reibling, Lyle, and Betts, John, “re-ADA: Reliable Ada-based Descriptive Architecture for C4ISR via a Quantitative Model”, Proceedings of ACM SIGAda’08, Oct. 26-31, 2008, Portland, OR.

Liang, Sheldon. "Quantifiable Software Architecture of Dependable Systems of Systems." In *Architecting Dependable Systems II*, edited by R. de Lemos, C. Gacek, Alexander Romanovsky, and Springer Verlag, (2004).

Liang, Sheldon. "Quantifiable Architecting of Dependable Systems of Embedded Systems, ACM SIGSoft", *Software Engineering Notes*, Vol. 28, 6, (2003).

Liang, Sheldon. "Automatic Prototype Generating via an Optimized Object Model", *ACM SIGAda Ada Letters*, Vol. 23, 2, (2003).

Liang, Sheldon. "Event-based Implicit Invocation Decentralized in Ada95", ACM SIGAda Ada Letters, Vol. 22, 1, (2002).

Liang, Sheldon. "A Uniform Object Model Easy to Gain Ada95's Ends", ACM SIGAda Ada Letters, Vol. 21, 2, (2001).

Liang, Sheldon and Wang, Z. *Advanced Software Development Techniques with Ada*, Beijing: China Defense Press, (2001).