

DO-332/ED-217: Using Modern Software Practice in Airborne Systems

- Published in *Crosstalk – The Journal of Defense Software Engineering* March/April 2017

The C-17 Communications System Core

- Presented at the 21st Boeing Technical Excellence Conference (BTEC-21) St. Charles, Missouri, May 21, 2014

Streaming Ciphers

- Presented at the Unix Users Association of Southern California, Huntington Beach, California, October 14, 2013

Heterogeneous Parallel Programming

- Presented at the Unix Users Association of Southern California, Irvine, California, March 11, 2013

RTCA / EUROCAE DO-326A / ED-202A – Airworthiness Security Process Specification

- Published, August 2014

RTCA / EUROCAE DO-355 / ED-204 – Information Security Guidance for Continuing Airworthiness

- Published, June 2014

RTCA / EUROCAE DO-356 / ED-203 – Airworthiness Security Methods and Considerations

- Published, September 2014

RTCA / EUROCAE DO-178C / ED-12C – Software Considerations in Airborne Systems and Equipment Certification

- Accepted for publication, November 2011
- Advisory Circular (AC) provided by FAA July, 2013
- Author and member of SC-205/WG-71, 2007 – 2011.

RTCA / EUROCAE DO-332 / ED-217 – Object-oriented Technology and Related Techniques Supplement to DO-178C/ED-12C

- Accepted for publication, November 2011
- Advisory Circular (AC) provided by FAA July, 2013
- Author and member of Subgroup 5 of SC-205/WG-71, 2007 – 2011. RTCA DO-332 – Object-oriented Technology and Related Techniques (Supplement to DO-178C)

Object-oriented Software Considerations in Airborne Systems and Equipment Certification

- Presented at IEEE Software Technology Conference, Salt Lake City, Utah, May 18, 2011.

Airworthiness Aspects of Software in Civil Airspace

- Presented at the Los Angeles SPIN, Redondo Beach California, December 3, 2011.

Object-oriented Software Considerations in Airborne Systems and Equipment Certification

- Presented at SPLASH-10, Sparks, Nevada, October 20, 2010.

Divide and Conquer – OS Partitioning for Embedded Systems

- Presented at the Boeing Technical Excellence Conference (BTEC13), Long Beach, California, July 25, 2007.

Computer-aided Disaster. What Went Wrong? Going Beyond Requirements-based Testing

- Presented at the Boeing Technical Excellence Conference (BTEC13), Long Beach, California, July 25, 2007.

The Real Time Specification for Java

- Tutorial presented at *The Boeing Software Conference (BSC2)*, Long Beach, California, March 6, 2007.

Perl, the Cockroach of Computer Languages

- Invited speaker at *The Coast Open Source Software Technology Symposium*, Newport Beach, California, October, 2003.

Writing "Real Java", Not Just "C In Java"

- Presented at *The Embedded Systems Conference*, San Francisco, California, April 2001.
- Published in *The Proceedings of the Embedded Systems Conference*, San Francisco, California, 2001.

Using JNI - It's Not That Hard!

- Presented at *The Embedded Systems Conference*, San Francisco, California, April 2001 and 2002.
- Presented at *The JDJ Edge Conference*, New York, New York, September 2001.
- Published in *The Proceedings of the Embedded Systems Conference*, San Francisco, California, 2001 and 2002.
- Adapted for and republished in [Comms Design](#) 2002.

Implementing OO Design Concepts With Literate Programming

- Presented at TOOLS Europe '96, Paris, France, February 1996.
- Published in *TOOLS 19*, Prentice-Hall, Inc., USA. 1996.