



TH35 - Safety Assurance in Digital Safety Systems

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TH35 - Safety Assurance in Digital Safety Systems

Panel members:



- Sofia Guerra – Partner, Adelard LLC
- Professor Tim Kelly – High Integrity Systems, Department of Computer Science, University of York, UK
- Professor John C. Knight – Computer Science, University of Virginia
- Darren Cofer – Fellow, Rockwell Collins Advanced Technology Center
- Bruce Allen Lewis – Computer Engineer, US Army Research, Development & Engineering Command

Chair: Dr. Sushil Birla – Senior Technical Advisor, U.S.NRC
Coordinator: Bernard Dittman – Digital I&C Engineer, U.S.NRC



Sofia Guerra

Partner, Adelard LLC



USNRC
RIC 2015

Professor Tim Kelly
High Integrity Systems, Department of Computer Science, University of York, UK

**Safety Assurance
Principled? Prescriptive?**

Tim Kelly

THE UNIVERSITY of York

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USNRC
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John C. Knight
Professor of Computer Science, University of Virginia

**Safety Standards
A New Approach**

John Knight
Department of Computer Science
University of Virginia
&
Dependable Computing LLC
Charlottesville, Virginia

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Darren Cofer
Fellow, Rockwell Collins Advanced Technology Center

Safety Assurance in Digital Safety Systems
From Airplanes to Atoms

Nuclear Regulatory Commission
Regulatory Information Conference
Session 70235
12 March 2015

Dr. Darren Cofer
cofer@ieee.org

Rockwell Collins



Bruce Allen Lewis
Computer Engineer, US Army Research, Development & Engineering Command

Presented by:
RIC 2015 TH-35
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Nuclear Regulatory Commission

**Shared development & assurance platform:
A vision for Architecture Analysis & Design
Language users**

AMRDEC

TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

Presented by:
Bruce Lewis
US Army Software Engineering
Directorate (SECD), AMRDEC
Jan 26, 2014



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Digital Safety Systems**

Panel discussion
