

From the Editor's Desk...

JSS Technical Editor
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Some Legal Considerations of System Safety

Our work in system safety requires some knowledge of the legal system and liability concepts. The first two technical papers in this issue of *Journal of System Safety* address some emerging aspects of this topic. Of course, we should always confer with our corporate legal authorities for any specific legal issues with our work.

The first technical paper in this issue, "Safety and Liability Risks for Defense Contractors Entering Commercial Markets" by Martin S. Chizek, provides some insight for defense contractors who are attempting to enter the commercial realm.

Our second technical paper, "Forensic Attacks Analysis and the Cyber Security of Safety-Critical Industrial Control Systems" by Chris W. Johnson, Rob Harkness and Maria Evangelopoulou, describes the importance of computer forensics in our modern world. Computer forensics can be defined as the use of investigation and analysis techniques to gather and preserve evidence from a particular device in a way that is suitable for presentation in a court of law.

This issue of *Journal of System Safety* also contains a research report, "Sex Offspring Ratio and Radiofrequency Radiation Exposure — A Comparison of High-Access Window Cleaners to Telecommunications Riggers" by Denis Boulais. This study examines the possible effects of postulated RF exposure on workers who are routinely around such equipment.

In the TBD column of this issue, Charles Hoes discusses some system safety aspects of the Oroville Dam in California. He ponders whether or not this is an example of a "non-traditional" system safety problem that we could, or should, be involved with.

David MacCollum, in his Design Based Safety column, offers his opinion on modern "Lilliputians" who he believes are out of touch with technology and engage a biased press and media to do their best to stop use of reliable design-based safety.

In their System Safety in Healthcare column, "Patient Safety from Advances in 3D," Dev Raheja and Maria C. Escano discuss recent advances in medical applications of the rapidly evolving field of 3D printing technology.

Rex Gordon recounts some fundamental concepts in his Notes on History column, "A Historical View of System Safety Orthodoxy." He points out that the early system safety practitioners believed that this was an area that had no obvious boundaries, and was destined to continually evolve.

I welcome your comments and article submissions. Please email me at cmuniak@stevens.edu.

Regards,
Chuck

Mark Your Calendar

Safety Critical Systems Course (SCS) 2017

June 19-22, 2017
Wyboston Lakes
Bedfordshire, U.K.

<http://events.theiet.org/safety-systems/about.cfm>

35th International System Safety Conference (ISSC)

August 21-25, 2017

Hotel Albuquerque at Old Town
Albuquerque, New Mexico

<http://issc2017.system-safety.org/>

International Air Safety Summit (IASS) 2017

October 23-25, 2017

Clayton Hotel Burlington Road
Dublin, Ireland

<https://flightsafety.org/event/iass2017/>

64th Annual Reliability and Maintainability Symposium (RAMS) Conference

January 22-25, 2018
Reno, Nevada

<http://rams.org/>

Safety-Critical Systems Symposium 2018

February 6-8, 2018
The Principal Hotel
York, U.K.

<http://scsc.org.uk/e503>