

Aviation

Identify key challenges related to the Next Generation Air Transportation System (NextGen) and its successors.

Provide a logical path from the (safety-critical) problems faced by NextGen to a list of fundamental research topics

Node: Type

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news

[IEEE Standards Association Announces Working Group to Develop Aerial Communications and Networking Standards](#)

Submitted by [knamuduri](#) on Mon, 07/18/2016 - 11:26am

PISCATAWAY, N.J., USA, 29 June 2016 - IEEE, the world's largest technical professional organization dedicated to advancing technology for humanity, and the [IEEE Standards Association \(IEEE-SA\)](#), today announced the formation of the IEEE Aerial Network Communications Working Group.



[CPS Domains Avionics Transportation](#)

event

[Workshop on Aviation Software Systems: Design for Certifiably Dependable Systems](#) [Oct 04, 2006 7:00 am - Oct 05, 2006 6:00 pm CDT](#)

Submitted by Anonymous on Mon, 04/16/2012 - 7:17pm

October 4-5, 2006 | Alexandria, Virginia
<http://chess.eecs.berkeley.edu/hcssas/agenda.html>

This workshop was sponsored to bring together the Practice Community with the Research Community in avionics to define the Intellectual Agenda in Software for Critical Aviation Systems. The goal, among others, include:



[Automotive Avionics Transportation Workshop National Aviation Software Workshop 2006](#)

file

[cfp-Final.pdf](#)

Submitted by [knamuduri](#) on Tue, 03/17/2015 - 10:44pm
event

[Third International Workshop on "Research Challenges for Future RPAS/UAV Systems" May 05, 2015 10:00 am - 6:00 pm EDT](#)

Submitted by [knamuduri](#) on Tue, 03/17/2015 - 10:25pm

3rd AETOS International Workshop on "Research Chal

file

[Aviation Software Systems for the Second Century of Flight](#)

Submitted by [Claire Tomlin](#) on Mon, 05/24/2010 - 4:03pm. Contributors:
[Claire Tomlin](#)[Jonathan Sprinkle](#)[R. John Hansman](#)

This Report is based on the results of the National Workshop on Aviation Software Systems for the Second Century of Flight: Design for Certifiably Dependable Systems held in Alexandria, VA, October 5-6, 2006.



[Avionics National Workshop on Aviation Software Systems 2006 Report](#)

event

[2014 ACM MobiHoc Workshop on Airborne Networks and Communications Aug 11, 2014 8:00 am - 5:00 pm EDT](#)

Submitted by [knamuduri](#) on Fri, 01/03/2014 - 8:43am

Workshop on Airborne Networks and Communications

August 11, 2014



[CPS Domains](#) [CPS Technologies](#) [Foundations](#) [Airborne Networks](#) [Conference 2014](#) [Announcement](#)

file

[Presentation for NITRD](#)

Submitted by [hamsa](#) on Wed, 11/24/2010 - 2:37pm

wikipage

[How Systems Really Fail](#)

Submitted by [kschweiker](#) on Wed, 01/02/2013 - 3:19pm



[actual scenerios](#) [errors](#) [failures](#) [faults](#) [Report](#) [White Paper](#)

event

[ACM MobiHoc 2013 Workshop on Airborne Networks and Communications](#)

[Jul 29, 2013 8:00 am - Aug 01, 2013 5:00 pm +05](#)

Submitted by Anonymous on Tue, 03/05/2013 - 11:15am

Airborne networks are mobile ad hoc networks consisting of manned and unmanned air vehicles as well as ground vehicles.



[Aerospace](#) [Ground Vehicles](#) [Avionics](#) [Space Systems](#) [Transportation](#) [Workshop](#)

event

[ACM MobiHoc 2012 Workshop on Airborne Networks and Communications](#)

[Jun 11, 2012 4:30 pm - Jun 14, 2012 4:30 pm EDT](#)

Submitted by [knamuduri](#) on Mon, 04/16/2012 - 7:17pm

Airborne networks are mobile ad hoc networks consisting of manned and unmanned air vehicles as well as ground vehicles. The ability of air vehicles to communicate voice, video, and data without a fixed infrastructure offers enhanced safety and efficiency for Next Generation airborne networks. This workshop is an opportunity for researchers engaged in airborne networking to discuss state-of-the- art, share their research with their peers, and develop directions for future research in this emerging field.



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[Aerospace](#) [Special Interests Group](#)
