



**AMSAT 37th Space Symposium and
Annual General Meeting Schedule
October 16–21, 2019
Hilton Arlington Hotel, Arlington, VA**

Wednesday October 16, 2019

08:00 – 12:00 AMSAT Board Meeting, **Gallery I**
12:00 – 13:00 AMSAT Board Lunch Break, **Renoir Suite**
13:00 – 17:00 AMSAT Board Meeting, **Gallery I**
16:00 – 19:00 Registration, **Mezzanine**

Thursday October 17, 2019

08:00 – 12:00 AMSAT Board Meeting (Closed Session), **Gallery I**
12:00 – 13:00 AMSAT Board Lunch Break, **Renoir Suite**
13:00 – 17:00 AMSAT Board Meeting, **Gallery I**
08:00 – 10:00 Registration, **Mezzanine**
16:00 – 19:00 Registration, **Mezzanine**

Friday, October 18th

08:00 – 16:00 Registration, **Mezzanine**
08:00 – 21:00 OSCAR Park Display Area Open **Gallery III**
Presentation Schedule **Galleries I & II**

08:00 President's Welcome

08:10 Silent Keys

08:15 Friday Keynote
Designing the First Satellite Built in Australia

Richard Tonkin and Owen Mace

*AMSAT 37th Space Symposium and Annual General Meeting Schedule
October 16–21, 2019*

09:45 Deep Space Weak Signal Hardware and Software for CubeSats
Carl Brandon, N1BCD

10:30 Testing a more fade resistant BPSK demodulator for Fox Linear Transponder
Spacecraft
Chris Thompson, G0KLA/AC2CZ

11:15 Three College Students' Perspectives on Ham Radio and Amateur Radio Satellites
Dawson Duckworth, KC3NNB, Lauren Hurley, KD2RHC, Kaixuan Ji, AC3EN

12:00 Lunch Break **On your Own**

13:00 DJO and the AMSAT CubeSat Simulator Loaner Kit
Will Rimicci, Elaine Ly

13:45 A Year with the AMSAT CubeSat Simulator: 12 Months in the Classroom and
Lab
Alan Johnston, KU2Y, Pat Kilroy, N8PK

14:30 Updates to the AMSAT CubeSat Simulator: Fox Emulation Mode and Raspberry
Pi Ground Station
Alan Johnston, KU2Y, Pat Kilroy, N8PK

15:15 PSAT1U - A Low-Cost, Easy-Build 1U CubeSat for Hands-On Lab and Space
Applications
George Downey, Bob Bruninga, WB4APR

16:00 AMSAT's 50 Year History
Dr. Tom Clark, K3IO

16:45 End of Presentations for Day One

17:00 – 19:30 Informal Dinner on your own

19:30 – 21:00 AMSAT Reception, **Mezzanine, Master's Ballroom, Gallery III**
Cash Bar Available, **Mezzanine**

Saturday, October 19th

08:00 – 16:00 Registration, **Mezzanine**

08:00 – 21:00 OSCAR Park Display Area Open **Gallery III**

*AMSAT 37th Space Symposium and Annual General Meeting Schedule
October 16–21, 2019*

Presentation Schedule Galleries I & II

08:00 President's Welcome

08:05 Saturday Keynote
What We've Done!

Jan King, W3GEY

09:00 What's New with Amateur Radio on the International Space Station: 2019 Edition
Frank H. Bauer, KA3HDO and Dave Taylor, W8AAS

09:45 ARISS Inter Operable Radio System: Progress Toward Flight,
Frank Bauer, KA3HDO, Lou McFadin, W5DID, Kerry Banke, N6IZW
Bob Bruninga, WB4APR, Bob Davis, KF4KSS, Ken Ernandes, N2WWD
Ed Krome, K9EK, Kenneth Ransom, N5VHO, Gordon Scannell, KD8COJ
Mark Steiner, K3MS Dave Taylor W8AAS

10:30 A Successful Random ARISS Contact with \$120 Station Setup
Daniel Ernandes, KK4HBI

11:15 Comparison of Omnidirectional VHF Antenna Construction and in situ
Performance for LEO Satellites
Gerard Anandappa, KD9NNU, Abdus Saboor Zubair, KD9NNV, Dan White, AD0CQ

12:00 Lunch Break

On your Own

13:00 CatSat: Pathfinder for New Ham Satellite Opportunities
Michael Parker, KT7D, Christopher Walker, K7CKW, Douglas Stetson

13:45 AMSAT Engineering Update
AMSAT Engineering

15:00 AMSAT Annual General Meeting & Awards Ceremony (LiveStream)
Joe Spier, K6WAO

16:00 Adjourn Presentations and AGM

18:00 – 19:00 Attitude Adjustment **Mezzanine & Gallery III**

18:00 – 22:00 Cash Bar **Mezzanine**

19:00 – 22:00 Banquet **Gallery I & II**

