

Digital Communications Conference

September 14-16, 2018 • Albuquerque, NM

Last Revision: August 29, 2018



<http://www.tapr.org/dcc>

Schedule at a Glance

Thursday, 13 Sep

9:00 AM TAPR Board Meeting
5:00 PM (everyone is welcome to attend)

Friday, 14 Sep

8:00 AM Conference Registration and
Demonstration Room Open
8:45 AM Welcome
9:00 AM Technical Presentations
Noon Lunch
1:00 PM Technical Presentations
5:30 PM Friday Night Social
10:00 PM Demonstration Room Closed

Saturday, 15 Sep

8:00 AM Conference Registration and
Demonstration Room Open
8:45 AM Welcome
9:00 AM Technical Presentations
Noon Lunch
1:00 PM Technical Presentations
4:00 PM TAPR Membership Meeting
6:00 PM No Host Cash Bar
7:00 PM Dinner Banquet
10:00 PM Demonstration Room Closed

Sunday, 16 Sep

8:00 AM Sunday Seminar
Noon

Rooms at a Glance

Registration – Precon Hallway
Demonstration Room – Tijeras

Thursday

TAPR Board Meeting – Vista Norte

Friday

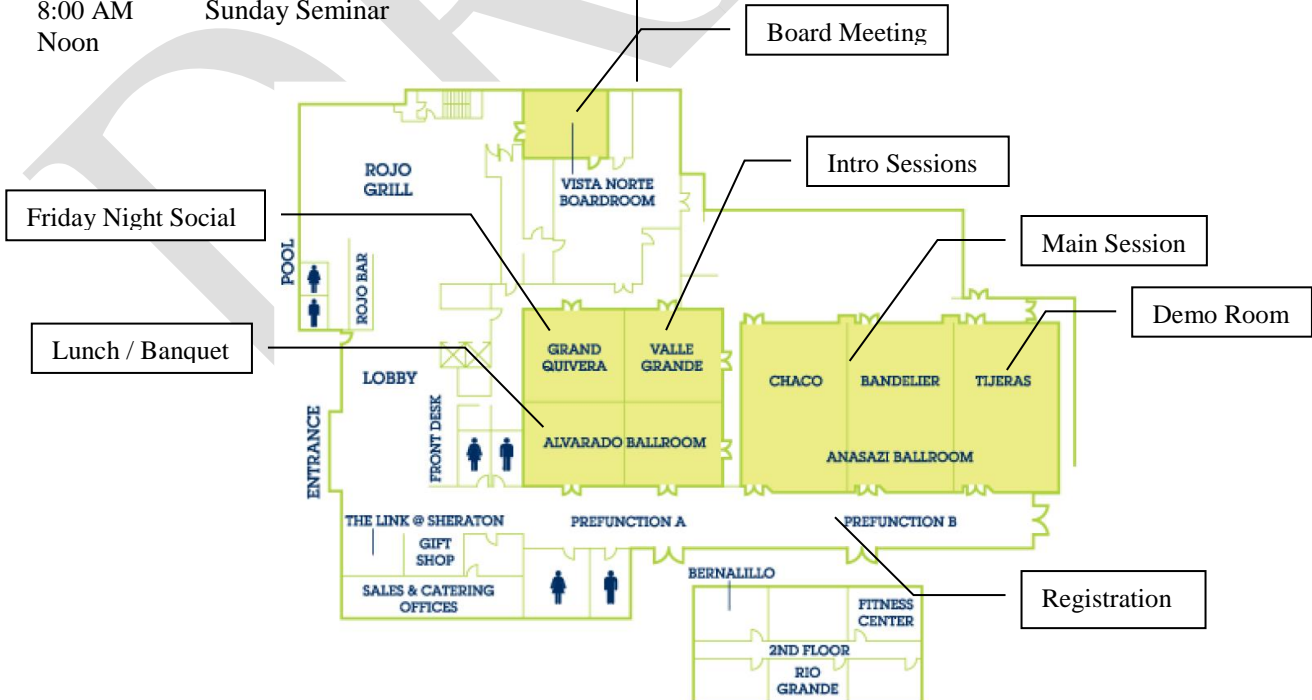
Main Session Technical Presentations – Chaco/Bandelier
Lunch – Alvarado Ballroom
DCC Social – Grand Quivera

Saturday

Main Session Technical Presentations – Chaco/Bandelier
Introductory Sessions Presentations – Valle Grande
Lunch – Grand Quivera
Dinner Banquet – Alvarado Ballroom

Sunday

Sunday Seminar – Chaco/Bandelier



Preliminary 2018 DCC Conference Schedule

	Friday	Saturday	Sunday	
8:00 AM	Conference Registration Demonstration Room Open	Conference Registration Demonstration Room Open	Sunday Seminar 8:00 AM – 12:00 AM HamSCI Personal Space Weather Station Nathaniel Frissell, W2NAF	
8:45 AM	Main Session Welcome and Introductions	Main Session Welcome and Introductions		Introductory Session
9:00 AM	How Do I Choose? Evaluating 9 of the Best Single Board Computers for Modern SDR Systems Scotty Cowling, WA2DFI	New Mexico Institute of Mining and Technology: Maintaining student interest through modern amateur radio projects Skyler Fennell, KD0WHB		
9:45 AM	The Real FT8, JT65, and JT9 Signal-to-Noise Ratio Revealed Jim Frazier, KC5RUO	Bringing Net-44 and IPv6 to your Station via VPN John Hays, K7VE		
10:30 AM	Understanding DMR Networks Jason Johnson, KC5HWB	DRAWS; Digital Radio Amateur Workstation Bryan Hoyer, K7UDR		Hi-Def Digital Television for ham stations and repeaters Mel Whitten, KØPFX
11:15 AM	Deploying a multi-site DMR system for the Total Eclipse of the Sun Mike Pappas, W9CN, and John Spainhower, NØJPS	Study on Actual Usage of FT8 in the US and Japan Masaaki Maeda, W2JR1AQN		
Noon	Lunch	Lunch		
1:00 PM	Lightning Talks (Impromptu 5-minute talks)	Lightning Talks (Impromptu 5-minute talks)	System Fusion Overview	
1:45 PM	A Flexible, Affordable, Powerful Digital Transceiver for the Raspberry Pi Jonathan Brandenburg, KF5IDY	Beyond Line-of-Sight Digital Communications with the LoRa Spread-Spectrum Waveform Dan Fay, KG5VBY		
2:30 PM	LDPC (Low Density Parity Codes) for Normal People Michelle Thompson, W5NYV	Implementing MACA and Other Useful Improvements to Amateur Packet Radio for Throughput and Capacity Steven Gunderson, and John Bonnett, KK6JRA		
3:15 PM	Ionospheric Measurements of the 2017 Great American Eclipse Nathaniel Frissell, W2NAF Phil Erickson, W1PJE	Realtime Multicast for SDR Module Interconnection Phil Karn, KA9Q		
4:00 PM	Play Time in the Demonstration Room	TAPR Annual Meeting		
		Play Time in the Demonstration Room		
5:30 PM	Friday Night Social			
6:00 PM	No-Host Cash Bar	Dinner No-Host Cash Bar (6:00 PM) Dinner (7:00 PM) Towards A 21st Century Understanding of Earth's Upper Atmosphere: The Value of Radio Based Amateur-Scientist Partnerships by Dr. Philip J. Erickson, W1PJE Awards Presentation Prize Drawings		
10:00 PM	Demonstration Room Closed			