

Guide to Clinics, Tours, & Events as of 6/14/19

Please note: This guide is subject to change without notice. Its only purpose is to give you a sense of what will be available for sign-ups and to help you plan your stay at the convention. There will be other documents made available that more fully describe an event. Look for these documents to appear on our website (<http://www.nmra2019slc.org/>) and our Facebook page (<https://www.facebook.com/NMRA2019SLC/>). You will only be able to sign-up for those events that have a cost associated. If you have already registered, then you must claim your Webconnex account in order to sign-up for events. Free events will be first come first served at the event.

#	Title	Times	Fee
Sunday 7 July 2019			
W1010	Music & the Spoken Word Broadcast	8:00 AM – 10:00 AM	Free
C1011	Bruce DeYoung, MMR - Railroads and the National Ice Industry: A Symbiotic Relationship	4:30 PM – 5:30 PM	Free
C1012	John Forsythe, MMR - A Non-Technical Introduction and Overview of LCC	4:30 PM – 5:30 PM	Free
C1013	Rich Mahaney - Hazardous Materials on Model Railroads	4:30 PM – 5:30 PM	Free
C1014	Mark Juett - Making Trees from Natural Plant Materials	4:30 PM – 5:30 PM	Free
C1015	Gregory Madsen - A More Prototypical Approach to Car Forwarding Software	4:30 PM – 5:30 PM	Free
C1016	Mike Cummings - Fallen Flags of the Southeast, 1957-82	4:30 PM – 5:30 PM	Free
N1010	Double Decker Bus Tour of Salt Lake City	4:00 PM – 5:30 PM	\$15.00
N1011	Double Decker Bus Tour of Salt Lake City	6:00 PM - 7:30 PM	\$15.00
C1021	Bruce DeYoung, MMR - Blending Backgrounds and Foregrounds: Scenery Techniques for the Last 6" of Your Layout	6:30 PM – 7:30 PM	Free
C1022	Nathan Oxhandler - Ideas for Industries on Your Layout	6:30 PM – 7:30 PM	Free
C1023	Leslie Eaton, MMR - Tips & Tricks for Scratchbuilding and Kitbashing	6:30 PM – 7:30 PM	Free
C1024	Bill Brown, MMR - Enhancing Your Modeling with Digital Photography - Part 1	6:30 PM – 7:30 PM	Free
C1025	Don Winn - Creating a Time Machine	6:30 PM – 7:30 PM	Free
C1026	Rick & Maureen Hunter - Snow Fence Make 'n' Take (N \$23, HO \$25, S \$28, O \$31)	6:30 PM – 9:30 PM	Varies
Meeting	Pete Magoun, MMR - Meet the President	7:30 PM - 9:00 PM	Free
C1031	Rich Mahaney - Intermodal 101 for Model Railroaders	8:00 PM – 9:00 PM	Free
C1032	Lawrence Brennen - Entering the Photo Contest and How We Judge It	8:00 PM – 9:00 PM	Free
C1033	Benita Jameson - Frankensteining Your People	8:00 PM – 9:00 PM	Free
C1034	Bill Brown, MMR - Enhancing Your Modeling with Digital Photography - Part 2	8:00 PM – 9:00 PM	Free
C1035	Christina Zambri & Gordon Robinson - Marketing for Divisions and Regions	8:00 PM - 9:00 PM	Free
Monday 8 July 2019			
W2010	Ogden's Union Station	7:15 AM - 5:30 PM	\$15.00
N2010	Promontory – There and Back	8:00 AM – 3:15 PM	\$70.00
C2011	Byron Henderson & Seth Neumann - LDSIG - Layout Design Bootcamp	8:00 AM - 12:00 PM	Free
C2012	Henry Freeman - Prototype Research	8:00 AM - 9:00 AM	Free
C2013	Mark Juett - Setting Up Operations	8:00 AM - 9:00 AM	Free
C2014	Rick & Maureen Hunter - 30' King Post Truss Bridge Make 'n Take (N \$37, HO \$40, S \$44, O \$51)	8:00 AM - 12:00 PM	Varies
C2015	Pat Bray - Upgrading Old Freight Cars	8:00 AM - 9:00 AM	Free

#	Title	Times	Fee
L2010	Layouts – Steven Blodgett (HO), Ron Udy (HO), Lee Witten (HO)	8:00 AM – 12:00 PM	\$35.00
L2020	Layouts – John Griffin (HO), Rob Spangler (HO), Mickey Braun (HO)	8:00 AM – 12:00 PM	\$35.00
L2030	Layouts – Brandon Beattie (G), Shay Park (1.5"),	8:00 AM – 12:00 PM	\$35.00
N2020	This is the Place State Park	8:30 AM – 11:30 AM	\$50.00
W2020	Temple Square and Family History Library	9:00 AM - 12:00 PM	Free
C2022	Lee Nicholas - What's New on the Utah Colorado Western	9:30 AM - 10:30 AM	Free
C2023	Ted York - SF and Cajon Pass	9:30 AM - 10:30 AM	Free
C2025	Bob Feuerstein - Using Different Cameras to Get the Results You Want	9:30 AM - 10:30 AM	Free
C2028	NonRail: Salt Lake Visitors Bureau - Fun in Salt Lake City	9:30 AM - 10:30 AM	Free
N2030	Great Saltair + Great Salt Lake Marina + Kennecott	9:30 AM - 3:45 PM	\$60.00
C2032	Lee Nicholas - What's New on the Utah Colorado Western	11:00 AM - 12:00 PM	Free
C2033	Ted York - SF and Cajon Pass	11:00 AM - 12:00 PM	Free
C2035	Henry Freeman - Prototype Research	11:00 AM - 12:00 PM	Free
C2038	NonRail: Brent Baker - What's My Story and Where Did I Come From?	11:00 AM - 12:00 PM	Free
M2010	MwtM - Building A Freight Car Shed (HO)	11:30 AM - 4:00 PM	\$48.00
N2040	Double Decker Bus Tour of Salt Lake City	11:45 AM - 1:15 PM	\$15.00
C2041	John Rimmasch - Prototype Steam Locomotive Restoration in a Modern World	1:00 PM - 2:00 PM	Free
C2042	Bob Hamm, MMR - NMRA Judging (Mandatory for judges)	1:00 PM - 2:00 PM	Free
C2043	Seth Neumann - Using CMRI and JMRI to Drive a US&S type 506 CTC Machine	1:00 PM - 2:00 PM	Free
C2044	Guil Rand - Modeling the Pacific States Cast Iron Plant.	1:00 PM - 2:00 PM	Free
C2045	Jim Ferenc - Day in the Life of the Rio Grande Southern	1:00 PM - 2:00 PM	Free
C2048	NonRail: Rick Graham - Fun with Photography, Part 1	1:00 PM - 2:00 PM	Free
L2040	Layouts – Doug Jolley (Sn3), Mark Evans (Sn3), Gregg Cudworth (Nn3)	1:00 PM – 5:00 PM	\$35.00
L2050	Layouts – Russ Ferre (HO), Willard Johnson (HO), Tim Dumas (HO)	1:00 PM – 5:00 PM	\$35.00
L2060	Layouts – Gary Petersen (HO), Dave Gayer (HO)	1:00 PM – 5:00 PM	\$35.00
N2050	Snowbird Ski Resort Tram Ride	1:30 PM – 6:00 PM	\$55.00
C2051	John Rimmasch - Prototype Steam Locomotive Restoration in a Modern World	2:30 PM - 3:30 PM	Free
C2052	Bruce Petrarca - ABCs of DCC	2:30 PM - 3:30 PM	Free
C2053	Michelle Kempema - Turning a Private Layout Into a Tourist Attraction, and Non-Profit	2:30 PM - 3:30 PM	Free
C2054	Dan Kuhn - Western Pacific Railroad - The Feather River Route	2:30 PM - 3:30 PM	Free
C2055	Jim Smith - Using Raspberry Pi's for Layout Control	2:30 PM - 3:30 PM	Free
C2058	NonRail: Rick Graham - Even More Fun with Photography, Part 2	2:30 PM - 3:30 PM	Free
C2061	Christina Zambri & Gordon Robinson - Beginner's Guide to Using Social Media for Divisions and Regions	4:00 PM - 5:00 PM	Free
C2062	Doug Geiger, MMR - Tools, Tools, Tools	4:00 PM - 5:30 PM	Free
C2063	Bill Rogers - Layout Videography: Production at the Greeley, Colorado Model Railroad Museum	4:00 PM - 5:30 PM	Free
C2064	Dan Kuhn - Western Pacific Railroad - The Feather River Route	4:00 PM - 5:30 PM	Free
C2065	Rick & Maureen Hunter - Weathering Mixes Applications	4:00 PM - 5:00 PM	Free
C2068	Kent Richards - Visiting Temple Square and More	4:00 PM - 5:00 PM	Free
N2060	Heber Valley Railroad – Dinner & Shoot-out	4:15 PM – 9:45 PM	\$115.00
M2020	MwtM - Scratchbuilding a Small Puddle Jumper Bridge (N, HO)	6:00 PM - 9:30 PM	\$25.00

#	Title	Times	Fee
C2071	Neal Schorr - Engineering the Right of Way	6:30 PM - 7:30 PM	Free
C2072	Doug Geiger, MMR - Tools, Tools, Tools	6:30 PM - 8:00 PM	Free
C2073	Ron Davies - Finding the Junction City, and the Story of the Golden Spike	6:30 PM - 7:30 PM	Free
C2074	Benita Jameson - Frankensteining Your People	6:30 PM - 7:30 PM	Free
C2075	Rob Spangler - Scenery Design	6:30 PM - 7:30 PM	Free
C2078	NonRail: MK Dymock - Writing for Fun and Profit	6:30 PM - 7:30 PM	Free
C2081	Bruce & Linda Petrarca - Slow Orders, Dangerous Track Ahead: (Estate Planning and Insurance for Model Railroaders and Wives.)	8:00 PM - 10:00 PM	Free
C2082	Doug Geiger, MMR - The Transcontinental Story (with some trivia)	8:30 PM - 9:30 PM	Free
C2083	Rich Mahaney - Peninsulas	8:00 PM - 9:30 PM	Free
C2084	Rick Luther - Static Grass	8:00 PM - 9:00 PM	Free
C2085	Mike Arnold - British Railways - Prototype & Model - What to Expect in 2022	8:00 PM - 9:00 PM	Free
C2088	NonRail: Gary Baker - Family Search, What's It All About?	8:00 PM - 9:00 PM	Free
Tuesday 9 July 2019			
N3010	Soldier Summit, Skyline Coal Mine, Helper & Castle Gate	7:00 AM – 8:30 PM	\$95.00
M3010	MwtM - Scratchbuilding a Wooden Loading Dock and Attached Ramp (HO)	7:00 AM - 11:30 PM	\$48.00
W3010	Ogden's Union Station	7:15 AM - 5:30 PM	\$15.00
C3011	Robert Feurstein - Layout Photography: Getting a Pro Look with a Simple Camera	8:00 AM - 9:00 AM	Free
C3013	Mark Juett - Using JMRI for Car Forwarding	8:00 AM - 9:00 AM	Free
N3020	Promontory + Lee Nicholas Layout	8:00 AM – 4:15 PM	\$75.00
L3010	Layouts – Warren Johnson (HO), Blaine Holbrook (HO & HOn3), Kent Holbrook (HO)	8:00 AM – 12:00 PM	\$35.00
L3020	Layouts – Steve Markos (HO), Dean and Anne Wiese (G), Pat Herman (HO)	8:00 AM – 12:00 PM	\$35.00
L3030	Layouts – Lee Nicholas (HO), Miles Chester (HO)	8:00 AM – 12:00 PM	\$35.00
C3014	Seth Neumann & Earl Girbova - Getting Started with Arduino	8:30 AM - 10:30 AM	\$30.00
N3030	LDS Welfare Square, Humanitarian Center	8:45 AM - 11:15 AM	\$35.00
P3010	Prototype Tour - UTA TRAX Jordan River Service Center	9:00 AM - 12:00 PM	\$15.00
C3022	Geoff Bunza - Animating Scale Model Cranes: Five Projects for Model Railroader	9:00 AM - 10:30 AM	Free
C3025	Dr Richard Meetz - Vision and the Aging Modeler	9:00 AM - 10:30 AM	Free
C3021	John Doehring - What NMRA Members Really Want	9:30 AM - 10:30 AM	Free
C3023	William "Gene" Jameson - Making Custom Decals at Home	9:30 AM - 10:30 AM	Free
C3038	NonRail: Salt Lake Family History Library - What to do Before Goind to the Family History Librare	9:30 AM - 10:30 AM	Free
C3031	Bob Frankrone - Love Those Loads	11:00 AM - 12:00 PM	Free
C3032	Guil Rand -Steel Mill Model Railroading	11:00 AM - 12:00 PM	Free
C3033	Rob Spangler - Turnout Tune-Up	11:00 AM - 12:00 PM	Free
C3034	Jim Wanlass, MMR - My Quest for MMR and How We Can Enjoy the Journey Together. (NMRA Achievement Program)	11:00 AM - 12:00 PM	Free
C3035	Pat Bray - Tank Cars	11:00 AM - 12:00 PM	Free
C3038	NonRail: Bill Woolf - Writing Your Personal or Ancestral Family Story, Part 1	11:00 AM - 12:00 PM	Free
C3041	Seth Neumann - Model Railroad Communications	1:00 PM - 2:00 PM	Free
C3042	Guil Rand - Steel Mill Model Railroading	1:00 PM - 2:00 PM	Free

#	Title	Times	Fee
C3043	William "Gene" Jameson - Making Custom Decals at Home	1:00 PM - 2:00 PM	Free
C3044	Bob Hamm, MMR - The Saga of Grant Cleveland and the Iron Gorge Subdivisiion	1:00 PM - 2:00 PM	Free
C3045	OPSIG Business Meeting	1:00 PM - 2:00 PM	Free
C3046	Frank Peacock - Steam Locomotive Parts, Appliances and Fittings, Part 1: FWH, CC Air Compressors, Crossheads, and Drivers	1:00 PM - 2:00 PM	Free
C3048	NonRail: Bill Woolf - Writing Your Personal or Ancestral Family Story, Part 2	1:00 PM - 2:00 PM	Free
M3020	MwtM - Building Structures with Card Stock & Paper (N, HO, S, O)	1:00 PM - 5:00 PM	\$48.00
L3040	Layouts – Geoff Carter (HO), Bountiful Museum (HO), John Nichols (HO)	1:00 PM – 5:00 PM	\$35.00
L3050	Layouts – Jim Hoepfner (HO), Bob and Karin Gerald (N),	1:00 PM – 5:00 PM	\$35.00
W3020	Temple Square and Family History Library	1:30 PM - 4:30 PM	Free
P3020	Prototype Tour - FrontRunner Warm Springs Service Center, Golden Spike Train Club of Utah	2:00 PM - 5:30 PM	\$35.00
C3051	Jim Marcino - Documenting Your Layout	2:30 PM - 3:30 PM	Free
C3052	John Rimmasch - Prototype- Promontory Locomotive Restoration	2:30 PM - 3:30 PM	Free
C3053	Bill Rogers - Layout Videography: Production: Colorado Model Railroad Museum	2:30 PM - 3:30 PM	Free
C3054	Dick Bronson - Adding Signals to Your Layout with LCC	2:30 PM - 3:30 PM	Free
C3055	Jim Smith - Using Raspberry Pi's for Layout Control	2:30 PM - 3:30 PM	Free
C3061	Christina Zambri & Gordon Robinson - Intermediate's Guide to Using Social Media for Divisions and Regions	4:00 PM - 5:30 PM	Free
C3062	David Trussell and Friends - The Building of the Oregon, California & Eastern Railway at the Colorado Model RR Museum	4:00 PM - 5:30 PM	Free
C3063	Geoff Bunza - Animating Scale Model Cranes: Five Projects for Model Railroader	4:00 PM - 5:30 PM	Free
C3064	Dick Bronson - Signaling with LCC	4:00 PM - 5:30 PM	Free
C3065	Dr Richard Meetz - Vision and the Aging Modeler	4:00 PM - 5:30 PM	Free
C3068	NonRail: Glen Sisam - Great Sources for Family History Research	4:00 PM - 5:30 PM	Free
N3040	Park City Night on the Town (+ your own dinner)	5:15 PM - 9:45 PM	\$35.00
C3071	Pete Steinmetz - Weathering with Pan Pastels and Other Media	6:30 PM - 7:30 PM	Free
C3072	John Rimmasch - Prototype: Promontory Locomotive Restoration	6:30 PM - 7:30 PM	Free
C3073	Byron Henderson - Small Layout Design- Beyond the Timesaver	6:30 PM - 7:30 PM	Free
C3074	Stuart Baker - A Technical Introduction and Overview to LCC	6:30 PM - 8:00 PM	Free
C3075	Rick Luther - Static Grass	6:30 PM - 7:30 PM	Free
C3078	NonRail: Sue Didas & Arla Guild - Jewelry Making	6:30 PM - 7:30 PM	Free
M3030	MwtM - Roads and Roadside Details Diorama - Part A (HO).	6:30 PM - 9:30 PM	\$24.00
L3060	Layouts – Don and Merilee Chapman (G), Burke and Erin Worthington (G)	7:00 PM – 10:00 PM	\$35.00
C3081	Mark Evans, MMR - Learning to Love Scratch Building – Welcome to the Dark Side!	8:00 PM - 9:00 PM	Free
C3082	Rob Spangler - Turnout Tune-Up	8:00 PM - 9:00 PM	Free
C3083	Dan Kuhn - Southern Pacific's Historic Overland Route - America's First Transcontinental Railroad	8:00 PM - 9:00 PM	Free
C3085	Jim Macino - NKP765 Lives!	8:00 PM - 9:00 PM	Free
C3084	Balazs Racz - Build Your Own Layout with LCC	8:30 PM - 10:30 PM	Free
Wednesday 10 July 2019			
W4010	Ogden's Union Station	7:15 AM - 5:30 PM	\$15.00
L4010	Layouts – James Gronwald (HO), Tim Morris (HO), Lynn Stringham (G)	8:00 AM – 12:00 PM	\$35.00

#	Title	Times	Fee
C4011	Erich Whitney - Designing and Testing a Modular Signaling System with CMRINet and CATS	8:00 AM - 8:30 AM	Free
C4012	Cynthia Priest - Tips for Creating Articles (for Publication)	8:00 AM - 9:00 AM	Free
C4013	Joe Fugate - Make it Run Like a Dream	8:00 AM - 9:00 AM	Free
C4014	John Lawrence, MMR - Scenery Ground Cover Palette	8:00 AM - 9:00 AM	Free
C4015	William Tulley, MMR - 3 Mines, 2 Mills and a Railroad	8:00 AM - 9:00 AM	Free
M4010	MwtM - Roads and Roadside Details Diorama - Part B (HO)	8:00 AM - 11:30 PM	\$24.00
N4010	Red Butte Gardens & Natural History Museum of Utah	8:30 AM - 1:00 PM	\$65.00
W4020	Temple Square and Family History Library	9:00 AM - 12:00 PM	Free
L4020	Layouts - ExactRail (HO & N)	9:00 AM - 1:00 PM	\$35.00
C4021	Bob Frankrone - Love Those Loads	9:30 AM - 10:30 AM	Free
C4022	Robert Feurstein - Using Different Cameras to get the Results You Want	9:30 AM - 10:30 AM	Free
C4023	Michael Groves - A No Wiring Solution Using Fiber Optic Lighting	9:30 AM - 10:30 AM	Free
C4024	James Robertson - Building Larry Cars for Bee Hive Coke Oven Operations	9:30 AM - 10:30 AM	Free
C4025	Frank Houzvicka - Miniature Wonderland in Hamburg - What's New	9:30 AM - 10:30 AM	Free
C4028	NonRail: Christina Zambri - Your Facebook and Social Media	9:30 AM - 10:30 AM	Free
Lunch	NonRail: Luncheon at Gardner Village	10:45 AM - 2:15 PM	\$65.00
C4031	Rich Mahaney - How to Design, Build, and Deliver Exciting and Interesting Clinics	11:00 AM - 12:00 PM	Free
C4032	Joe Fugate - Make It Run Like a Dream	11:00 AM - 12:00PM	Free
C4033	Ken Foster - Prototype Photograph	11:00 AM - 12:00PM	Free
C4034	Gregory Madsen - A More Prototypical Approach to Car Forwarding Software	11:00 AM - 12:00PM	Free
C4035	Frank Houzvicka - Miniature Wonderland in Hamburg - Behind the Scenes	11:00 AM - 12:00PM	Free
C4041	Joe Fugate - Painting in a Post-Floquil World	1:00 PM - 2:00 PM	Free
C4042	Alex VanZanten - Making Twist Trees	1:00 PM - 2:00 PM	Free
C4043	Michael Groves - A No Wiring Solution Using Fiber Optic Lighting	1:00 PM - 2:00 PM	Free
C4044	Gil Bennett - Backdrop Painting	1:00 PM - 2:00 PM	Free
M4020	MwtM - Making Foreground Trees	1:30 PM - 5:00 PM	\$48.00
N4020	Promontory Afternoon	1:00 PM - 6:45 PM	\$40.00
N4030	Snowbird Ski Resort Tram Ride	1:30 PM - 6:00 PM	\$55.00
C4051	Tony Koester - From Here to There	2:30 PM - 3:30 PM	Free
C4052	Leslie Eaton, MMR - Getting Down & Dirty With Weathering	2:30 PM - 4:00 PM	Free
C4053	Dan Kuhn - Union Pacific's Historic Overland Route - America's First Transcontinental Railroad	2:30 PM - 4:00 PM	Free
C4054	Gil Bennett - Backdrop Painting	2:30 PM - 4:00 PM	Free
C4058	NonRail: Cynthia Priest - Playing with Paper: Flower Shaping (\$3 at the door, limit 10, 1st Come 1st Served)	2:30 PM - 4:00 PM	Free
C4061	Tony Koester - Mult-Deck Layout Design and Operation	4:00 PM - 5:00 PM	Free
C4062	David Trussell & Friends - Avoiding the Pitfalls in Planning that Dream Layout	4:30 PM - 5:30 PM	Free
C4063	Dan Kuhn - Union Pacific's Historic Overland Route - America's First Transcontinental Railroad	4:30 PM - 5:30 PM	Free
C4064	Geoff Carter - RailPro, An Introduction to a Grad Digital Control System	4:30 PM - 5:30 PM	Free
C4065	Geoff Bunza - Prototype Maintenance of Way Cranes and Derricks	4:30 PM - 5:30 PM	Free
C4071	Bob Frankrone - Creating Operations on the Louisville Southern Lines	6:30 PM - 7:30 PM	Free
C4072	David Trussell & Friends - Avoiding the Pitfalls in Planning that Dream Layout	6:30 PM - 7:30 PM	Free

#	Title	Times	Fee
C4073	Joe Fugate - Siskiyou Line 2	6:30 PM - 7:30 PM	Free
C4074	Stewart Jones - Early History of American Railroads	6:30 PM - 8:30 PM	Free
C4075	Brad Joseph - Advance Information on Next Year's National NMRA Convention, Gateway 2020	6:30 PM - 7:30 PM	Free
C4078	NonRail: MK Dymock - Writing for Fun and Profit	6:30 PM - 7:30 PM	Free
M4030	MwtM - Building DPM ® Structure Kits w/Lighted 2 Floors of Interior - Part A (HO)	7:00 PM - 10:00 PM	\$30.00
N4040	Sunset at Great Salt Lake Marina	7:30 PM - 10:30 PM	\$35.00
C4081	Bob Frankrone - Creating Operations on the Louisville Southern Lines	8:00 PM - 9:00 PM	Free
C4082	Ron Davies - Finding the Junction City, and the Story of the Golden Spike	8:00 PM - 9:00 PM	Free
C4083	Joe Fugate - Siskiyou Line 2	8:00 PM - 9:00 PM	Free
C4084	James Robertson - Building a Coal Tipple and Transfer Structure for Bee Hive Coak Oven Operations	8:00 PM - 9:00 PM	Free
C4085	Mark Evans, MMR - Join Me on the Dark Side - Learning How to Scratch Build Your Favorite Prototype	8:00 PM - 9:00 PM	Free
C4088	NonRail: Jon Simpson - Indexing or Where Does All This Stuff Come From?	8:00 PM - 9:00 PM	Free
Thursday 11 Jul 2019			
W5010	Ogden's Union Station	7:15 AM - 5:30 PM	\$15.00
N5010	Evanston Roundhouse & FreeMo Display	7:30 AM - 2:30 PM	\$55.00
C5011	Christina Zambri & Gordon Robinson - Expert's Guide to Using Social Media for Divisions & Regions	8:00 AM - 9:00 AM	Free
C5012	Tony Koester - Mult-Deck Layout Design and Operation	8:00 AM - 9:00 AM	Free
C5013	Seth Neumann - Using CMRI and JMRI to Drive a US&S type 506 CTC Machine	8:00 AM - 9:00 AM	Free
C5014	Mark Juett - NMRA DCC Working Group Business Meeting	8:00 AM - 12:00 PM	Free
C5015	Mark Hemphill - Reconstruction of the Rio Grande in Utah Main Line, 1914-1963	8:00 AM - 9:00 AM	Free
C5016	Jim Ferenc - Modeling and Operating with Track Scales	8:00 AM - 9:00 AM	Free
M5010	MwtM - Building DPM ® Structure Kits w/Lighted 2 Floors of Interior - Part B (HO)	8:00 AM - 11:30 AM	\$30.00
L5010	Layouts – Brian Brendel (N), Gary Brooks (HO), Bill Hughes (HO)	8:00 AM – 12:00 PM	\$35.00
L5020	Layouts – Ted York (HO), Gil Bennett (Sn3), Jim Wanlass (N, HO, 1.5")	8:00 AM – 12:00 PM	\$35.00
N5020	Promontory Summit - There & Back	8:00 AM – 3:15 PM	\$70.00
N5030	Hill Air Force Base Museum	8:30 AM – 12:00 PM	\$35.00
P5010	Prototype Tour - FrontRunner Warm Springs Service Center, Golden Spike Train Club of Utah	9:00 AM - 12:00 PM	\$35.00
C5021	Cody Grivno - How to Model Your Home Town - a Progress Report	9:30 AM - 10:30 AM	Free
C5023	Cynthia Priest - Tips for Creating Articles (for Publication)	9:30 AM - 10:30 AM	Free
C5025	Mike Danneman - Last of the Giants (SD40T-2) and Video of his N Scale Rio Grande Front Range Layout	9:30 AM - 10:30 AM	Free
C5026	Neal Schorr - Line Poles and Pole Lines	9:30 AM - 10:30 AM	Free
C5031	Hal Miller - What's New at Model Railroader Magazine	11:00 AM - 12:00 PM	Free
C5032	Mike Arnold - British Railways - Prototype & Model - What to Expect in 2022	11:00 AM - 12:00 PM	Free
C5033	Steve Cox - Homasote, the Why's and How's of its Use in Model Railroading	11:00 AM - 12:00 PM	Free
C5035	Guil Rand - Geneva Steel and the D&RGW	11:00 AM - 12:00 PM	Free
C5036	Stewart Jones - Layout Scenery Design	11:00 AM - 12:00 PM	Free
C5038	NonRail: Rick Graham - Nutrition 1 - You Are What You Eat -- Scary!	11:00 AM - 12:00 PM	Free
C5041	Hal Miller - What's New at Model Railroader Magazine	1:00 PM - 2:00 PM	Free
C5042	William "Gene" Jameson - Kitbashing a Maintenance of Way Boxcar	1:00 PM - 2:00 PM	Free
C5043	Steve Cox - Homasote, the Why's and How's of its Use in Model Railroading	1:00 PM - 2:00 PM	Free

#	Title	Times	Fee
C5044	Seth Neumann - LD-SIG Presents: Designing & Configuring a Layout Control System with CMRInet/CPNode	1:00 PM - 2:00 PM	Free
C5045	Chuck Conway - Rio Grande in Utah - Freight Train Information	1:00 PM - 2:00 PM	Free
C5048	NonRail: Cinthia Priest - Playing with Paper: Kite Box (\$3 at the door, limit 10, 1st Come 1st Served)	1:00 PM - 2:00 PM	Free
L5030	Layouts – Neil Blosch (G), Pat Bray (HO), Neil Mahoney (N)	1:00 PM – 5:00 PM	\$35.00
L5040	Layouts – Guil Rand (HO), Adam Pinales (N, G, & 1.5"), Jon Groneman (G)	1:00 PM – 5:00 PM	\$35.00
W5020	Temple Square and Family History Library	1:30 PM - 4:30 PM	Free
P5020	Prototype Tour - UTA TRAX Jordan River Service Center	2:00 PM - 4:30 PM	\$15.00
C5051	Cody Grivno - How to Model Your Home Town - a Progress Report	2:30 PM - 3:30 PM	Free
C5052	Carl Blum - PVC Terminal Strips	2:30 PM - 3:30 PM	Free
C5053	LDSIG - What Would You Do Differently Panel.	2:30 PM - 4:00 PM	Free
C5054	John Socha-Leialoha - The Making of a DCC/LCC Throttle	2:30 PM - 4:00 PM	Free
C5055	Mel Patric - Night Photography (Multimedia Program)	2:30 PM - 3:30 PM	Free
C5056	George A Bogatiuk III - Realistic Railroading using Tsunami Decoders with DCC and Sound	2:30 PM - 3:30 PM	Free
C5058	NonRail: Alan Ormsby - The Changing Face of Retirement	2:30 PM - 3:30 PM	Free
N5040	Utah Breweries	3:00 PM – 7:00 PM	\$35.00
C5065	Mark Hemphill - Main Line Operations in Utah in the Big Steam Era	4:00 PM - 5:30 PM	Free
C5066	Ken Foster - Prototype Photograph	4:00 PM - 5:30 PM	Free
C5061	Joe Fugate - Make it Run Like a Dream Book Series	4:30 PM - 5:30 PM	Free
C5062	John Parsons - Model Train Detection, What Is It and What Is it Good For?	4:30 PM - 5:30 PM	Free
C5063	Rob Spangler - Scenery Design	4:30 PM - 5:30 PM	Free
C5064	Doug Geiger, MMR - The Transcontinental Story (with some trivia)	4:30 PM - 5:30 PM	Free
C5071	Joe Fugate - Painting in a Post-Floquil World	6:30 PM - 7:30 PM	Free
C5073	David Trussell - Building and Operating the OC&E at the Colorado Model RR Museum	6:30 PM - 7:30 PM	Free
C5074	Seth Neumann - Model Railroad Communications	6:30 PM - 7:30 PM	Free
C5075	John Lawrence, MMR - How to Make Bald Cypress Trees	6:30 PM - 7:30 PM	Free
C5076	Pete Steinmetz - Battery Power Radio Control Locomotives in Small Scales. Dead Rail	6:30 PM - 7:30 PM	Free
Meeting	NMRA Canada Meeting	6:30 PM - 7:30 PM	Free
W5030	Tabernacle Choir at Temple Square Rehearsal	6:30 PM - 10:00 PM	Free
C5081	Zana Ireland - What's New at Digitrax, Plus Q&A	8:00 PM - 9:00 PM	Free
C5082	Blaine Hadfield - What's New at Arrowhead Models	8:00 PM - 9:00 PM	Free
C5083	Michelle Kempema - Turning a Private Layout Into a Tourist Attraction, and Non-Profit	8:00 PM - 9:00 PM	Free
C5084	Rich Mahaney - Perishable Operations in the 1950's	8:00 PM - 9:00 PM	Free
C5085	Chris Brimley - Scratchbuilding Structures Based on the Prototype	8:00 PM - 9:00 PM	Free
C5086	Frank Peacock - Steam Locomotive Parts, Appliances and Fittings, Part 2 Trailing trucks, Boosters, Valve gears plus others	8:00 PM - 9:00 PM	Free
C5087	NMRA Annual General Membership Meeting	8:00 PM - 9:00 PM	Free
Friday 12 July 2019			
C6012	Robert Feurstein - Photo Editing Programs and Efficient Workflow	8:00 AM - 9:00 AM	Free
C6014	Carl Blum - Using Foam Rubber for Scenery	8:00 AM - 9:00 AM	Free
NTS	National Train Show at Mountain America Expo Center, Sandy - Exclusively for Convention Registrants	9:00 AM – 6:00 PM	Free

#	Title	Times	Fee
C6028	NonRail: Rick Graham - Nutrition 2 - Eat Better, More and Have More Fun	9:30 AM - 10:30 AM	Free
NTS	National Train Show at Mountain America Expo Center, Sandy - For the General Public	12:00 PM – 6:00 PM	\$15.00
L6010	Layouts – Steve Flanders (1.5")	1:00 PM – 5:00 PM	\$30.00
L6020	Layouts – John Grubb (HO), South Weber RR (1.5"), Mike Murphy (HO)	1:00 PM – 5:00 PM	\$35.00
C6051	Gary Myers - History of the Royal Gorge War Between the Santa Fe and D&RG Railroads	2:30 PM - 4:00 PM	Free
C6061	Brad Joseph - Advance Information on Next Year's National NMRA Convention, Gateway 2020	4:30 PM - 5:30 PM	Free
C6063	Gilbert Thomas - Modeling Considerations of 1960's Modeler	4:30 PM - 5:30 PM	Free
C6064	Philip Sharp - Timber Buildings of the Nineteenth Century	4:30 PM - 5:30 PM	Free
C6065	Geoff Bunza - Prototype Maintenance of Way Cranes and Derricks	4:30 PM - 5:30 PM	Free
C6066	William Tulley, MMR - Ore Sampling Mill	4:30 PM - 5:30 PM	Free
N6010	Heber Valley Railroad - Dinner & Shoot-Out	5:15 PM – 9:45 PM	\$140.00
C6071	Mark Evans, MMR - Learning to Love Scratch Building – Welcome to the Dark Side!	6:30 PM - 7:30 PM	Free
C6072	Bernard Kempinski - Down to the Sea in Trains	6:30 PM - 7:30 PM	Free
C6073	Rich Mahaney - Sign Me Up	6:30 PM - 7:30 PM	Free
C6075	Dan Kuhn - Amtrak's Scenic Triangle - America's Most Scenic Train Trip	6:30 PM - 7:30 PM	Free
C6076	Alex VanZanten - Making Twist Trees	6:30 PM - 7:30 PM	Free
C6078	NonRail: Bill Woolf - Writing a Personal or Ancestral Family History, Part 1	6:30 PM - 7:30 PM	Free
Meeting	OpenLCB User's Group (Olympus Room)	6:30 PM - 10:30 PM	
C6081	Rick Luther - Operations Without the Aggravation	8:00 PM - 9:00 PM	Free
C6082	Tony Koester - From Here to There	8:00 PM - 9:00 PM	Free
C6083	Blaine Hadfield - What's New at Arrowhead Models	8:00 PM - 9:00 PM	Free
C6084	John Lawrence, MMR - Setting the Scene	8:00 PM - 9:00 PM	Free
C6085	Dan Kuhn - Amtrak's Scenic Triangle - America's Most Scenic Train Trip	8:00 PM - 9:00 PM	Free
C6086	Bernard Kempinski - The USMRR Aqua Line - High-Tech Approach to a 19th Century Railroad	8:00 PM - 9:00 PM	Free
C6088	NonRail: Bill Woolf - Writing a Personal or Ancestral Family History, Part 2	8:00 PM - 9:00 PM	Free
Saturday 13 July 2019			
C7011	Philip Sharp - Making Scale Lumber by Hand	8:00 AM - 9:00 AM	Free
C7012	Erich Whitney - Designing and Testing a Modular Signaling System with CMRINet and CATS	8:00 AM - 9:00 AM	Free
C7014	Carl Blum - Using Foam Rubber for Scenery	8:00 AM - 9:00 AM	Free
N7010	Promontory Summit + AKT	8:00 AM – 4:40 PM	\$70.00
C7021	Philip Sharp - Prototype Modeling of Wooden Truss Bridges	9:30 AM - 10:30 AM	Free
C7022	Gilbert Thomas - Modeling Considerations of 2000's Modeler	9:30 AM - 10:30 AM	Free
C7023	Rick Luther - Operations Without the Aggravation	9:30 AM - 10:30 AM	Free
C7024	Jeffrey Allen - Building a Model Railroad in a Middle School Math Class	9:30 AM - 10:30 AM	Free
C7028	NonRail: Sue Didas & Arla Guild - Jewelry Making	9:30 AM - 10:30 AM	Free
NTS	National Train Show at Mountain America Expo Center, Sandy - For the General Public	10:00 AM – 6:00 PM	\$15.00
C7031	Guil Rand - Modeling the Pacific States Cast Iron Plant.	11:00 AM - 12:00 PM	Free
C7038	NonRail: Jon Simpson - Indexing or Where Does All This Stuff Come From?	11:00 AM - 12:00 PM	Free
C7041	John Griffin - JMRI Decoder Pro	1:00 PM - 2:00 PM	Free
Meeting	RMR BOD Meeting - Olympus Room)	2:00 PM - 4:00 PM	

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C7051	John Griffin - JMRI Decoder Pro	2:30 PM - 3:30 PM	Free
C7061	Gary Myers - History of the Royal Gorge War Between the Santa Fe and D&RG Railroads	4:00 PM - 5:30 PM	Free
N7020	Heber Valley Railroad - Train Robbery	5:15 PM – 9:45 PM	\$75.00
Dinner	Convention Banquet	6:00 PM – 9:30 PM	\$79.00
Sunday 14 July 2019			
W8010	Music & The Spoken Word Broadcast	8:00 AM – 10:00 AM	Free
NTS	National Train Show at Mountain America Expo Center, Sandy - For the General Public	10:00 AM – 5:00 PM	\$15.00