

RPSD-2018
26 August - 31 August 2018
Drury Plaza Hotel, Santa Fe, NM, USA

Sunday, 26 August 2018

		Rivera A	Palace B	Rivera B	Boardroom
8:00 - 12:00		Workshop: A Brief Introduction to NJOY Conlin	Workshop: ITS/SCEPTRE Pautz	Workshop: MAVRIC / Monaco in SCALE 6.2 Miller	Workshop: MCNP® Open Lab (general questions) Dixon, et al.
12:00 - 13:00		Lunch (not included)			
13:00 - 17:00		Workshop: Estimating Nuclear Data Uncertainties Neudecker	Workshop: ADVANTG: Automated Variance Reduction for MCNP Mosher	Workshop: Demonstrating Exnihilo Radiation Transport Capabilities Pandya	
18:00 - 20:00		[Drury Rooftop] Welcome Reception			

Monday, 27 August 2018

		Rivera A	Palace A	Palace B	
8:30 - 8:45		[Palace Ballroom] Welcome: General Chair, Dr. Avneet Sood, Los Alamos National Laboratory			
8:45 - 9:45		[Palace Ballroom] Keynote (Radiological Engineering): Mark W. Shaver, NuScale			
9:45 - 10:00		Coffee Break			
10:00 - 12:00		Tutorial: Statistical Analysis for Validation Tests Grazia Pia	Radiation Shielding Miller/Spencer	Special Session: Capabilities, Developments and Challenges in Charged Particle Transport Dixon/Franke	
12:00 - 13:00		Lunch (O'Keeffe Room)			
13:00 - 14:45		Special Session: SINBAD: Past, Present, and Future Valentine/Dixon	Monte Carlo Methods, I Franke/Solomon	Deterministic Methods Risner/Pautz	
14:45 - 15:15		Coffee Break			
15:15 - 17:00		Experimental Verification and Validation Grazia-Pia/Miller	Monte Carlo Methods, II Franke/Solomon	Lightning Session, I Dixon	
18:00 - 20:00		[Palace Ballroom] Special Poster Session: Codes and Software Packages RPSD Members Should Know About			

Tuesday, 28 August 2018

		Rivera A	Palace A	Palace B	Boardroom
8:30 - 9:45		[Palace Ballroom] Keynote (Health Physics): Dr. Nolan E. Hertel, Georgia Institute of Technology			
9:45 - 10:00		Coffee Break			
10:00 - 12:00		Tutorial: MCNP applications of interest to HPs, Rad Engineers and Medical Physicists Seagraves/Mclean	Special Session: ENDF/B-VIII: The makings of a modern nuclear data library, I Haack/Conlin	Facilities Popova/Risner	
12:00 - 13:00		Lunch (O'Keeffe Room)			
13:00 - 14:45		Special Session: Low-Dose Radiation Miller/Waltar	Special Session: ENDF/B-VIII: The makings of a modern nuclear data library, II Haack/Conlin	Workshop: SuperMC, I Yu	14:15-15:15 Workshop: MCNP® Open Lab (general questions) Dixon, et al.
14:45 - 15:15		Coffee Break			
15:15 - 17:00		Special Session: Shielding Standards: What are they and how do they impact you? Hayes/Dewji/Sanders	Special Session: ENDF/B-VIII: The makings of a modern nuclear data library, III Haack/Conlin	Workshop: SuperMC, II Yu	
19:00 - 22:00		Mentorship Event: Meow Wolf, 1352 Rufina Circle, Santa Fe, NM, 87507			

Wednesday, 29 August 2018

		Rivera A	Palace A	Palace B	Boardroom
8:30 - 9:45		[Palace Ballroom] Keynote (Space Physics): Dr. Joseph I. Minow, NASA			
9:45 - 10:00		Coffee Break			
10:00 - 12:00		Special Session: Particle Transport on Emerging Architectures Sweezy/Xu/Burke	Special Session: Challenges and Opportunities in Space Radiation Environment Characterization, its Effects, and Methods for Mitigation (SEEM), I Klimenko/Heilbronn	Special Session: A survey of LANSCE Activities Mocko/Popova	
12:00 - 13:00		Lunch (O'Keeffe Room)			
13:00 - 14:45		Detection and Measurement, I Sood/Andrews	Special Session: Challenges and Opportunities in Space Radiation Environment Characterization, its Effects, and Methods for Mitigation (SEEM), II Klimenko/Heilbronn	Workshop: Attila4MC for simplifying MCNP, including CAD integrated CADIS and FW-CADIS, I Failla/Oranski/Alwin	14:15-15:15 Workshop: MCNP® Open Lab (general questions) Dixon, et al.
14:45 - 15:15		Coffee Break			
15:15 - 17:00		Detection and Measurement, II Sood/Andrews	Lightning Session, II Dixon	Workshop: Attila4MC for simplifying MCNP, including CAD integrated CADIS and FW-CADIS, II Failla/Oranski/Alwin	
18:00 - 20:00		[Drury Garden] Banquet [Palace Ballroom] concurrent poster session			

Thursday, 30 August 2018

		Rivera A	Palace A	Palace B	
8:30 - 9:45		[Palace Ballroom] Keynote (Medical Physics): Dr. Stephen F. Kry, MD Anderson Cancer Center			
9:45 - 10:00		Coffee Break			
10:00 - 12:00		Medical Physics, Radiation Protection, Health Physics Dewji/Heilbronn	Uncertainty Quantification and Sensitivity Analysis, I Favorite/Rising	Roundtable Discussion: Developing a Hybrid Radiation Transport V&V Suite Kulesza/Risner	
12:00 - 13:00		Lunch (O'Keeffe Room)			
13:00 - 14:45		Tutorial: Proton Therapy, I Schreuder	Uncertainty Quantification and Sensitivity Analysis, II Favorite/Rising	Workshop: MCNP® Correlated Fission Capabilities and Associated Packages: MCNPTools, ISC, and DRIFT, I Andrews/Solomon	
14:45 - 15:15		Coffee Break			
15:15 - 17:00		Tutorial: Proton Therapy, II Schreuder	Tutorial: SUS3D / XSUN-2017 Kodeli/Dixon	Workshop: MCNP® Correlated Fission Capabilities and Associated Packages: MCNPTools, ISC, and DRIFT, II Andrews/Solomon	

Friday, 31 August 2018

7:30 - 14:00		Technical Tour (LANSCE) (bus pickup at Drury 07:45-08:00; lunch included; return to Drury 13:30-14:00)			
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