

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

Sunday, 26 August 2018

		Rivera A	Palace B	Rivera B
8:00	- 12:00	Workshop: A Brief Introduction to NJOY Conlin	Workshop: ITS/SCEPTRE Pautz	Workshop: MAVRIC / Monoco in SCALE 6.2 Miller
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	Welcome Reception (Rooftop)		

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/Dixon	Radiation Shielding Miller/Spencer	Special Session: Capabilities, Developments and Challenges in Charged Particle Transport Dixon/Franke
Lunch (O'Keeffe Room)				
13:00	- 14:45	Special Session: SINBAD: Past, Present, and Future Valentine/Dixon	Deterministic Methods Risner/Pautz	Monte Carlo Methods I Franke/Solomon
14:45	- 15:15	Coffee Break		
15:15	- 17:00	Experimental Verification and Validation Grazia-Pia/Miller	Lightning Session I Dixon	Monte Carlo Methods II Franke/Solomon
18:00	- 20:00	Special Poster Session: Codes and Software Packages RPSD Members Should Know About		

Breakout Room assignments TBA

Workshop: MCNP® Open Lab
(will be held several times TBA during the week)

Tuesday, 28 August 2018

		Rivera A	Palace A	Palace B
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 Haeck/Conlin	Facilities Popova
Lunch (O'Keeffe Room)				
13:00	- 14:45	Special Session: Low-Dose Radiation Miller	Special Session: ENDF/B-VIII: The makings of a modern nuclear data library, II Haeck/Conlin	Workshop: SuperMC I Yu
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	Special Session: ENDF/B-VIII: The makings of a modern nuclear data library, III Haeck/Conlin	Workshop: SuperMC II Yu
18:00	- 21:00	Meow Wolf		

Wednesday, 29 August 2018

		Rivera A	Palace A	Palace B
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
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
14:45	- 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	Banquet (Garden)		

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
Lunch				
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
14:45	- 15:15	Coffee Break		
15:15	- 17:00	Tutorial: Proton Therapy, II Schreuder	Tutorial: SUS3D / XSUN-2017 Kodali/Dixon	Workshop: MCNP® Correlated Fission Capabilities and Associated Packages: MCNPTools, ISC, and DRiFT, II Andrews

Friday, 31 August 2018

7:30	- 14:00	Technical Tour (LANSCE) (bus pickup at Drury 07:15-07:30; lunch included; return to Drury 13:30-14:00)		
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