RHET

Monday, November 2, 2026

Start	Event
1:00 PM	**Pelican Defense Technologies Seminar:** What If the Biggest AI Payoff Is Not Inside the Chip? Using AI Across Design, Testing, Knowledge Management, and Transition - *Shutters West II*
5:00 PM	**Registration** 5-8 PM - *Great Room Foyer*
6:00 PM	**Welcome Reception** - *Gallery & Patio*
8:00 PM	**End of Day**

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Your Host for RHET 2026:

MILANOWSKI AND ASSOCIATES, INC

Tuesday, November 3, 2026

Start	Event
7:00 AM	**Breakfast & Registration** - *Gallery & Patio*
8:00 AM	**Day 1 Welcoming Remarks** Windy Slater (Air Force Research Laboratory) - *The Great Room*
8:10 AM	**Host Remarks:** Randall Milanowski (Milanowski and Associates)
8:30 AM	**Chair: Megan Casey (Columbus/NASA GSFC)**
8:30 AM	**Strategic Radiation Hardened Electronics Council (SRHEC) Overview** Col. John Turner (OASW(ND-CBD/NM)) & Jeff Johann (NSWC Crane)
9:15 AM	**NRO Microelectronics Roadmap & Critical Technologies** Vivek Menon (National Reconnaissance Office (NRO))
9:35 AM	**MDA Radiation Hardness Assurance Technical Focus** Kiara Risher (Missile Defense Agency (MDA))
9:55 AM	**Break** - *Gallery & Patio*
10:25 AM	**Chair: Laura Chen-Mertens (The Aerospace Corporation)**
10:25 AM	**SOTA ICs with GAA Transistors and BSPND Failure Analysis Opportunities** Daniel Hinkel (National Security Agency (NSA))
10:45 AM	**Standard Cell Flow for RadHard Design** Stuart Bernhardt (Cadence)
11:00 AM	**Calibre Reliability Verification for RHICs** Matt Hogan (Siemens EDA)
11:15 AM	**2026 IP and ASIC update from Alphacore** Esko Mikkola (Alphacore)
11:30 AM	**Lunar Endeavor – The Case for Rad Hard Electronics** Chinh Le (LeWiz Communications)
11:45 AM	**eChip - Manufacture Low Volume Rad Hard SOTA Parts While Reducing Manufacturing Delays and Costs** Tom Wolf (Silicon Technologies)
12:00 PM	**Lunch** - *Gallery & Patio*
1:30 PM	**Chair: Matthew Spear (AFRL)**
1:30 PM	**12-nm Strategic Radiation Hardened (SRH) SRAM Development** Rakesh Joshi (Boeing)
1:45 PM	**Ava-MRAM UNLEASHED: The Space-Grade Standard Everyone Should Strive to Achieve** Kristine Schroeder (Avalanche Technology)
2:00 PM	**Everspin U.S. MRAM Manufacturing: Current Status and STT-MRAM Roadmap** David Schrenk (Everspin Technologies)
2:15 PM	**Microelectronics for Space and Strategic Radiation Hardened Applications** Romney Katti (Honeywell Aerospace)
2:30 PM	**STAR-FISH ANGSTRM Program - WD Rad-Hard Performance Status Update** Tom Boone and Nate Franklin (Western Digital)
2:45 PM	**Overview of BAE Systems Space Microelectronics and Processing Products** Andrew Kelly (BAE Systems)
3:00 PM	**Radiation Tolerant Memory Portfolio for Constellations** Helmut Puchner (Infineon Technologies)
3:15 PM	**Break** - *Great Room Foyer*
3:45 PM	**Chair: Aaron Schaal (DMEA)**
3:45 PM	**NSWC Crane Rad-Hard Projects** Matthew Gadlage (Naval Surface Warfare Center (NSWC) Crane)
4:05 PM	**NASA Support of OUSW T&AM Rad-Hard Projects** Megan Casey (Columbus/NASA GSFC)
4:25 PM	**Advanced Packaging for AI HPC** Charles Woychik (NHanced Semiconductors)
4:40 PM	**3D PLUS Space Qualified Product Updates** Timothee Dargnies (3D Plus USA)
4:55 PM	**Magics Technologies Update** John Monteith (Magics Technologies)
5:10 PM	**End of Sessions**
6:00 PM	**Milanowski & Associates Reception** - *Gallery & Patio*
8:00 PM	**End of Day**

Wednesday, November 4, 2026

Start	Event
7:00 AM	**Breakfast & Registration** - *Gallery & Patio*
8:00 AM	**Day 2 Welcoming Remarks** Windy Slater (Air Force Research Laboratory) -*The Great Room*
8:10 AM	**Chair: Kiara Risher (MDA)**
8:10 AM	**SSP Requirements and Systems Integration Roadmap for Strategic Rad-Hard Electronics** James (Jim) Kern (Strategic Systems Programs (SSP))
8:30 AM	**AFRL FORTRESS Testing Capabilities** Joseph (Tom) Warren (Air Force Research Laboratory (AFRL))
8:50 AM	**Radiation Effects Testing at BNL: A Broad Vision to Support Making Space Safe** Kevin Brown (Brookhaven National Laboratory (BNL))
9:10 AM	**Auburn University Applied Research Institute, Radiation Effects Laboratory** Greg Bell (Auburn University)
9:30 AM	**Status of KSEE Facility and Developing a High-Energy Heavy-Ion Test Facility at MSU** Steve Lidia (Michigan State University (MSU))
9:50 AM	**Northrop Grumman Radiation Test Facility Capabilities and Advancements** Jonny Avila (Northrop Grumman's Radiation Test Operations (NG RTO))
10:10 AM	**Break** - *Gallery & Patio*
10:40 AM	**SHINE Technologies High Throughput Accelerator-Based 14 MeV Neutron Test Facility** Ryan Touhy (SHINE)
11:00 AM	**Proton Radiation Effects Testing with ProNova Solutions at the Covenant Health Proton Center** Eric O'Quinn (ProNova Solutions)
11:20 AM	**Experimental Results of Prompt Neutron and Flash X-Ray Generators at Fuse Facilities** Sophie Faliero (Fuse)
11:40 AM	**FusionWERX: Expanding the Nation's 14 MeV Neutron Test Capacity** Michael Eades (Avalanche Energy)
12:00 PM	**Lunch** - *Gallery & Patio*
1:30 PM	**Chair: Lexie Jones (Nucleon)**
1:30 PM	**SRHEC Test and Evaluation (T&E)** Tom Turflinger (The Aerospace Corporation)
1:50 PM	**Milanowski & Associates Technical Update** Randall Milanowski (Milanowski and Associates)
2:05 PM	**Radiation Test Solutions (RTS) Services Update** Charlie Arutt (Radiation Test Solutions)
2:20 PM	**Rel-Micro Fully-Integrated CMOS Nuclear Event Detector** Lloyd Massengill (Reliable MicroSystems)
2:35 PM	**Strategic RH Cache Memory Development Effort** Ryan Young (Scientic)
2:50 PM	**Radiation Sources and Testing Capabilities at the DTRA West Coast Facility Focused on Nuclear Triad and NC3 Recapitalization Efforts** David Phipps (Fisica)
3:05 PM	**Break** - *Great Room Foyer*
3:35 PM	**Chair: Greg Allen (Jet Propulsion Laboratory)**
3:35 PM	**A Review of DARPA/MXO Efforts for Mitigation and Testing of Radiation Effects** Patricia Schaefer (MACH-20/Defense Advanced Research Projects Agency (DARPA))
3:55 PM	**Addressing Industry Needs with Modern Radiation Effects Engineering** Merek Chertkow (The Radiation Team)
4:10 PM	**Is Your Fault Mitigation Working as Expected When Expected? Verifying Mitigation Implementation Beyond Conventional Radiation Testing** Melanie Berg (SpaceR3)
4:25 PM	**Understanding the Radiation Performance of Your System on a Tight Timeline** Lexie Jones (Nucleon)
4:40 PM	**Constraining X-ray Flash Sensitivity of Floating Gate Transistors** Yenuel Jones-Alberty (JHU/APL)
4:55 PM	**DoW HE HI SEE Testing Capacity Expansion** Richard Leonard (JRC Integrated Systems)
5:10 PM	**Market Analysis of the Revised Heavy Ion Demand for Electronics Testing** Ken LaBel (Trusted Strategic Solutions)
5:25 PM	**End of Sessions**

Thursday, November 5, 2026

Start	Event
6:30 AM	**Breakfast & Registration** - *Gallery & Patio*
7:30 AM	**Day 3 Welcoming Remarks** Windy Slater (Air Force Research Laboratory) -*The Great Room*
7:35 AM	**RHET 2027/2028** (Reliable MicroSystems/Avalanche Technology)
7:45 AM	**Keynote Speaker:** Peter Garretson (American Foreign Policy Council) The Threat of a High Altitude Nuclear Explosion: Detecting, Characterizing, and Countering Potential Adversary Placement of Nuclear Weapons in Space
8:25 AM	**Chair: Courtney Matzkind (Scientic)**
8:25 AM	**AFRL Redesign & Strategic Planning: Alignment for the Future Fight** Jesse Mee (Air Force Research Laboratory (AFRL))
8:45 AM	**SkyWater RH90 Overview and Program Update** John Heitzinger (SkyWater Technology)
9:00 AM	**Status of GF Rad Hard Technologies** Maria Toledano Luque (GlobalFoundries)
9:15 AM	**Technologies in Support of National Defense** Michael Scott and Matthew Shreve (Tower Semiconductor)
9:30 AM	**Additively Manufactured Packaging for Advanced Rad-Hard Microelectronics** Heather Stern (MIT Lincoln Laboratory)
9:45 AM	**Sandia Update** Nathan Nowlin (Sandia National Laboratories)
10:00 AM	**Break** - *Gallery & Patio*
10:30 AM	**Chair: Justin Likar (JHU/APL)**
10:30 AM	**SRHEC Research and Development (R&D)** Matthew Gadlage (Naval Surface Warfare Center (NSWC) Crane)
10:50 AM	**Lattice Certus Pro FPGA to Enter Aerospace and Defense Market** Marti McCurdy (Spirit Electronics)
11:05 AM	**Microchip Technology High Reliability Analog and Power Portfolio Update** David DeBoer (Microchip Technology)
11:20 AM	**A New U.S. Radiation-Hardened FPGA Platform for Strategic Applications** Andrew Lukefahr (QuickLogic)
11:35 AM	**Renesas Space-Grade Solutions Portfolio Update** Abigail Eberts (Renesas Electronics)
11:50 AM	**Trusted Microelectronics Marketplace** Stephanie Pusch (Trusted Semiconductor Solutions)
12:05 PM	**Lunch** - *Gallery & Patio*
1:35 PM	**Chair: Elaine Johnson (Amentum)**
1:35 PM	**SRHEC Program Needs (PN)** Mark Johnson (The Aerospace Corporation)
1:55 PM	**SRHEC Trust, Assurance, Nuclear Surety (TANS)** Ron Koshita (NNSA)
2:15 PM	**Texas Instruments Space Portfolio Update** Jason Clark and Joey Christ (Texas Instruments)
2:30 PM	**USA Fabricated RadHard MOSFETs for Military and Space Applications** Joe Benedetto (VPT Components)
2:45 PM	**TTM's High-Reliability Solutions for Space and Defense Market** Anup Singh (TTM Technologies)
3:00 PM	**Break** - *Great Room Foyer*
3:30 PM	**Moderator: Keith Avery (AFRL)**
3:30 PM	**AI in Radiation Hardened Electronics Panel:** Industry and government leaders will discuss the integration of tactical AI across high-altitude, orbital, and ground platforms, focusing on radiation-hardened electronics, mission assurance, and practical fielding strategies. • Ken Heffner (Honeywell) • Daniel Loveless (Indiana University) • Ax Cutter (AFNWC) • Chester Wilson (Pelican Defense)
5:00 PM	**End of Sessions**