Materials Science in Extreme Environments University Research Alliance
Annual Technical Review
June 25-27, 2025
Agenda_v1

Wednesday, June 25, 2025 **(**all times Eastern), **Focus: State of MSEE, RA1, RA4, Poster Session**

Time	Topic	Presenter(s)
8:15-9:00	Registration & Continental Breakfast	
9:00-9:10	Welcome	Tim Weihs/Eric Riffle
9:10-9:20	Remarks by DTRA Leadership	TBD
9:20-9:30	Remarks by JHU Leadership	TBD
9:30-10:10	State of the MSEE URA ▪ Goals, organizational structure, top-level highlights, progress, and metrics ▪ Workforce development activities	Tim Weihs/Todd Hufnagel
10:10-10:20	RA1: Materials Properties and Failure Description (Introduces RA and FAs)	Todd Hufnagel/Jacob Calkins/Jeff Davis/Suzanne Kelly
10:20-12:00	RA1-FA1: Materials Properties for Reducing Uncertainty	June Wicks Gena Miloshevsky Mike Shields Adib Samin Suzanne Ali
12:00-1:15	Lunch Break	
1:15-2:15	RA1-FA2: Materials Constitutive Models	Ryan Hurley KT Ramesh Todd Hufnagel
2:15-2:30	Coffee Break	
2:30-2:40	RA4: Photon-Material Interactions (Introduces RA and FAs)	Farhat Beg/Jacob Calkins
2:40-3:00	RA4-FA1: X-ray Induced Blow-off and Plasma	Gena Miloshevsky
3:00-4:40	RA4-FA2: Direct Laser Impulse	Farhat Beg Javier Garay Mike Armstrong, (Radousky group) Alex Chin/Tirtha Joshi (Spielman group) Hari Harilal
4:40-6:00	Poster Session (Refreshments to be served)	Student, Postdocs, & Researchers
6:00	Adjourn day 1	

Thursday, June 26, 2025 (all times Eastern), **Focus: RA3**

Time	Topic	Presenter(s)
8:15-9:00	Welcome & Continental Breakfast	
9:00-9:10	RA3: Chemistry in Extreme Environments (Introduces RA and FAs)	Nick Glumac/Dave Petersen/Jeff Davis/Suzanne Kelly
9:10-10:30	RA3-FA1: Nuclear Fireball Plasma Chemistry	Davide Curreli Mark Phillips Nick Glumac Raj Sinha
10:30-10:40	Coffee Break	
10:40-12:00	RA3-FA1: Nuclear Fireball Plasma Chemistry	Mike Armstrong, (Radousky group) Debbie Levin Ed Dreizin Hari Harilal
12:00-1:10	Lunch Break	
1:10-2:50	RA3-FA2: High Temperature Properties and Chemistry of Agents and Simulants	Hergen Eilers Nick Glumac Mark Phillips Tim Weihs Bryan Wong
2:50-3:00	Coffee Break	
3:00-4:20	RA3-FA2: High Temperature Properties and Chemistry of Agents and Simulants	Ed Dreizin Raj Sinha Suresh Menon Gennady Gor
4:20-6:00	Poster session (Refreshments to be served)	Student, Postdocs, & Researchers
6:15-8:30	Banquet Dinner	*Speaker TBD*

Friday, June 27, 2025 (all times Eastern), **Focus: RA2, CCRI, Closing remarks**

Time	Topic	Presenter(s)
8:15-9:00	Welcome & Continental Breakfast	
9:00-9:10	RA2: Materials and Manufacturing for Synergistic Effects (Introduces RA and FA)	Mike Zachariah/Jeff Davis/Suzanne Kelly
9:10-10:30	RA2-FA2: Tailoring Chemistry via Materials	Mike Zachariah Ed Dreizin Tim Weihs Lori Groven
10:30-10:40	Coffee Break	
10:40-12:00	RA2-FA2: Tailoring Chemistry via Materials	Lorenzo Mangolini John Brennan Paulette Clancy Jochen Mueller
12:00-1:10	Lunch Break	
1:10-1:20	Cross Cutting Research Initiatives (CCRI)	Mark Foster/Jeff Davis
1:20-2:40	Cross Cutting Research Initiatives	Mark Foster Todd Hufnagel Mike Shields
2:40-2:50	Coffee Break	
2:50-3:50	Cross Cutting Research Initiatives	Vishal Patel Kofi Nyarko Amy Foster
3:50-4:10	Closing remarks	Tim Weihs/Eric Riffle