

**Materials Science in Extreme Environments University Research Alliance (MSEE URA)**  
**Kickoff Meeting (On-Line)**  
 July 21-22, 2020  
 Agenda (version 4.0)

Tuesday, July 21, 2020 (all times EDT)

Time	Topic	Presenter(s)
11:00am	Welcome and Introductions	Tim Weihs/Mike Robinson
11:15am	Remarks by DTRA Director of Research and Development	Rhys Williams
11:25am	Remarks by Director of Counter WMD Technologies (DTRA R&D Directorate)	Stephen Dowling
11:35am	Remarks by Director Nuclear Technologies (DTRA R&D Directorate)	Michael Kuliasha
11:45am	Remarks by JHU Dean of Engineering	Ed Schlesinger
12:00pm	Remarks by JHU Vice Provost for Research	Denis Wirtz
12:15pm	Overview of DTRA Basic Research & URA Programs	Mike Robinson
12:45pm	Break	
1:15pm	Overview of MSEE URA	Tim Weihs/Todd Hufnagel
2:00pm	Cross Cutting Research Initiatives (CCRI)	Mark Foster
2:30pm	Adjourn	

Wednesday, July 22, 2020 (all times EDT)

Time	Topic	Presenter(s)
11:00am	Welcome	Tim Weihs/Mike Robinson
11:10am	RA1: Material Properties and Failure <ul style="list-style-type: none"> <li>▪ FA1: Materials Properties for Reducing Uncertainty</li> <li>▪ FA2: Materials Constitutive Models</li> </ul>	Todd Hufnagel/Jacob Calkins/ Jeff Davis <ul style="list-style-type: none"> <li>▪ Jim Gaffney</li> <li>▪ Ryan Hurley</li> </ul>
12:15pm	RA2: Materials and Manufacturing for Synergistic Effects <ul style="list-style-type: none"> <li>▪ FA2: Tailoring Chemistry via Materials</li> <li>▪ FA3: Characterize and Predict Physical/Chemical Effects in Turbulent Environments</li> </ul>	Mike Zachariah/Jeff Davis <ul style="list-style-type: none"> <li>▪ Mike Zachariah</li> <li>▪ Suresh Menon</li> </ul>
1:15pm	Break	
1:45pm	RA3: Chemistry in Extreme Environments <ul style="list-style-type: none"> <li>▪ FA1: Nuclear Fireball Plasma Chemistry</li> <li>▪ FA2: High Temperature Properties and Chemistry of Agents and Simulants</li> </ul>	Nick Glumac/Dave Petersen/ Jeff Davis <ul style="list-style-type: none"> <li>▪ Davide Curreli</li> <li>▪ Hergen Eilers</li> </ul>
3:15pm	RA4: Photon-Material Interactions <ul style="list-style-type: none"> <li>▪ FA1: X-ray Induced Blow-off and Plasma</li> <li>▪ FA2: Direct Laser Impulse</li> </ul>	Farhat Beg/Jacob Calkins <ul style="list-style-type: none"> <li>▪ Gena Miloshevsky</li> <li>▪ Farhat Beg</li> </ul>
4:15pm	Wrap-up discussions	Tim Weihs/Mike Robinson
5:00pm	Adjourn	