

***Welcome to the***  
***Materials Science in Extreme***  
***Environments University Research***  
***Alliance***

***Kickoff Meeting***

***July 21-22, 2020***



**MSEE**

MATERIALS SCIENCE IN  
EXTREME ENVIRONMENTS  
UNIVERSITY RESEARCH ALLIANCE





# Day 2 Agenda, July 22<sup>nd</sup>

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	



# MSEE Acknowledgement Statement

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