

Session 1 7-16-18 8:30 AM – 11:15 AM		Moderator- Singh
	Speaker	Talk
8:25 AM- 8:30 AM	Gurpreet Singh	Opening Remarks
8:30 AM- 9:00 AM	Peter Kroll	Modeling Amorphous Polymer Derived Ceramics
9:00 AM- 9:30 AM	Michael Cinibulk	Structural Ceramics Research at AFRL
9:30 AM- 10:00 AM	Samuel Bernard	Polymer-derived Si-E-C-N (E = B, Al, Ti) fibers: from polymer synthesis to the design of ceramic fibers
10:00 AM- 10:15 AM		Refreshment break
10:15 AM- 10:45 AM	Rishi Raj	Nanolayer-by-Nanolayer Fabrication of Defect-Free Dense Matrices for CMCs
10:45 AM- 11:15 AM	Randall Hay- Registered but unable to attend due to family emergency	SiC Fiber Microstructure, Strength, and Oxidation
11:15 AM- 1:00 PM		Lunch break

Session 2 7-16-18 1:00 PM – 3:45 PM		Moderator- Kroll and Raj
	Speaker	Talk
1:00 PM- 1:30 PM	Martin Friess	Development of SiBCN Fibre Composites in Germany
1:30 PM- 2:00 PM	Zlatomir Apostolov	Low-temperature treatment of commercial pre-ceramic polymers, and its effects on their processing properties
2:00 PM- 2:30 PM	David Lipke non PIRE invited talk	An Overview of Ultra-High Temperature Testing Capabilities at Missouri S&T
2:30 PM- 2:45 PM		Refreshment break
2:45 PM- 3:15 PM	Pietro Galizia	Layer-by-layer flash pyrolysis of polysilazane based polymers into a green UHTCMC and ablation resistance of the final dense composites
3:15 PM- 3:45 PM	Himanshu Jain	Characterization of chemistry of surfaces of solids, especially glasses
4:00 PM- 5:00 PM		Poster session 1 and happy hour

7-17-18 7:30 AM- 11:30 AM: Hike to Konza Prairie or free morning

11:30 AM- 1:00 PM: Return to Alumni Center for lunch

Session 3 7-17-18 1:00 PM – 4:00 PM		Moderator- Raj and Zhao
	Speaker	Talk
1:00 PM- 1:30 PM	Masaki Narisawa	Synthesis of carbosilane network structure by condensation reaction of polysilanes in controlled atmospheres
1:30 PM- 2:00 PM	Brett Compton non PIRE invited talk	Additive manufacturing of thermoset-based composites
2:00 PM- 2:30 PM	Phoung Bui non PIRE invited talk	Ceramic and Ceramic Composites via Stereolithography
2:30 PM- 2:45 PM		Refreshment break
2:45 PM- 3:15 PM	Dong Lin non PIRE invited talk	3D printing of ultrahigh strength continuous carbon fiber composites.
3:15 PM- 3:45 PM	Gurpreet Singh	PDC fibers and composites for energy storage
3:45 PM- 4:00 PM	Sandeep Shah	On separating the contribution of corrosion and fatigue in mixed mode sub-critical crack growth in AA7079-T6 alloy.
4:00 PM- 5:00 PM		Poster session 2 and happy hour

Session 4 7-18-18 8:30 AM – 11:15 AM		Moderator- Jain
	Speaker	Talk
8:30 AM- 9:00 AM	Alexandra Navrotsky	Carbon, calorimetry, and cataclysms: SiOC in planetary settings
9:00 AM- 9:30 AM	Thomas Key	Process modeling of polycarbosilane
9:30 AM- 10:00 AM	Elsa Olivetti	Resource-effective materials development
10:00 AM- 10:15 AM		Refreshment break
10:15 AM- 10:45 AM	Kejie Zhao non PIRE invited talk	First-principles modeling on lithiation of SiOC anode materials
10:45 AM- 11:15 AM	Gian Soraru	Polymer-derived SiOC as anode for Li-ion batteries.
11:15 AM- 1:00 PM		Lunch break

Session 5 7-18-18 1:00 PM – 3:45 PM		Moderator- Menon
	Speaker	Talk
1:00 PM- 1:30 PM	Ben Claar/ Ryan Woodburn (PIRE mandatory talk)	PIESTAR: Making data collection and reporting as easy as pie.
1:30 PM- 2:00 PM	Kim Nicholson (PIRE mandatory talk)	OEIE talk
2:00 PM- 2:30 PM		Qualtrics survey responses
2:30 PM- 3:30 PM		Photo shoot, optional video interviews and refreshment break
3:30 PM- 4:00 PM	David Marshall	PIRE informal discussions/ closing remarks
4:00 PM- 5:00 PM		Poster session 3 and happy hour

7-19-18 End of workshop, departure by 3:00 PM