Burgers Program and Combustion Institute
Summer School on Fire Safety Science – Wildland/WUI Fire Behavior

(University of Maryland, College Park, USA - June 5-9, 2023) *https://ssfss2023.umd.edu/*

Final Program with room information (6/7/2023)

	AM (8:30 am-12:00 pm)	Lunch (12:00-1:30 pm)	PM (1:30-5:00 pm)	End-of-the-day Events (5:00-7:00 pm)
Sunday (6/4/23)				*Welcome Reception* **(Room 3106B JM Patterson Bldg.)**
Monday (6/5/23)	- Introduction to Wildland and Wildland-Urban-Interface Fires (A. Filkov) - Fire Behavior (A. Simeoni) **(Room 2121 JM Patterson Bldg.)**	**(Room 3150 Physical Sciences Complex Bldg.)**	- Ignition and Pyrolysis (S. Stoliarov) - Combustion (A. Trouvé) **(Room 2121 JM Patterson Bldg.)**	
Tuesday (6/6/23)	- Flame Spread (S. McAllister) - Smoldering (G. Rein) **(Room 2121 JM Patterson Bldg.)**	**(Room 3150 Physical Sciences Complex Bldg.)**	- Firebrands (M. Gollner) - Soot and Radiation (P. Sunderland) **(Room 2121 JM Patterson Bldg.)**	*UMD/FPE Laboratory Visit* **(3rd floor, JM Patterson Bldg.)**
Wednesday (6/7/23)	- Computational Fluid Dynamics Modeling (E. Mueller) - Fire-Atmosphere Interactions (C. Clements) **(Room 2121 JM Patterson Bldg.)**	**(Room 3150 Physical Sciences Complex Bldg.)**	- Human Behavior in WUI fires (E. Kuligowski) - Fire Spread in Communities (D. Rush) **(Room 2121 JM Patterson Bldg.)**	*Poster Session* **(3rd floor, JM Patterson Bldg.)**
Thursday (6/8/23)	- Extreme Fires (D. Viegas) - Rate-Of-Spread Models (M. Finney and J. Forthofer) **(Room 2121 JM Patterson Bldg.)**	**(Room 3150 Physical Sciences Complex Bldg.)**	- Computational Fluid Dynamics Modeling (D. Morvan) - Regional-Scale Modeling (C. Lautenberger) **(Room 2121 JM Patterson Bldg.)**	
Friday (6/9/23)	- Technology: Remote Sensing (E. Ellicott) - Technology: Emberometer (E. Link) - Technology: Real-Time Fire Forecasting (J. Hodges) **(Room 2121 JM Patterson Bldg.)**	**(Room 3150 Physical Sciences Complex Bldg.)**	- Panel Discussion on Current Challenges in Large Outdoor Fires (D. Antonellis, S. Kerber, E. Kuligowski, A. Maranghides, S. McAllister, A. Simeoni, D. Viegas) **(Room 3201 JM Patterson Bldg.)**	*Farewell Reception* **(Room 3106B JM Patterson Bldg.)**

Overflow room

All non-UMD Summer School students are invited to use Room JMP 2121 to attend the lectures in person; the room is equipped with video recording capabilities.

All UMD Summer School students are invited to use Room JMP 2217 which will be used as an overflow room; the room is equipped with live streaming capabilities.

Last minute guests, and possibly some of the instructors may also be asked to use the overflow room.

List of instructors/panelists (in order of appearance in the program)

- Alex Filkov (University of Melbourne, Australia)
- Albert Simeoni (Worcester Polytechnic Institute, USA)
- Stas Stoliarov (University of Maryland, USA)
- Arnaud Trouvé (University of Maryland, USA)
- Sara McAllister (USDA Forest Service, USA)
- Guillermo Rein (Imperial College London, UK)
- Michael Gollner (University of California Berkeley, USA)
- Peter Sunderland (University of Maryland, USA)
- Eric Mueller (National Institute of Standards and Technology, USA)
- Craig Clements (San Jose State University, USA)
- Erica Kuligowski (RMIT University, Australia)
- David Rush (University of Edinburgh, UK)
- Domingos Viegas (University of Coimbra, Portugal)
- Mark Finney or Jason Forthofer (USDA Forest Service, USA)
- Dominique Morvan (Aix Marseille University, France)
- Chris Lautenberger (Reax Engineering, USA)
- Evan Ellicott (University of Maryland, USA)
- Eric Link (National Institute of Standards and Technology, USA)
- Jonathan Hodges (Jensen Hughes, USA)
- Danielle Antonellis (Kindling, USA)
- Steve Kerber (UL Fire Safety Research Institute, USA)
- Alex Maranghides (National Institute of Standards and Technology, USA)