Publications

March 29, 2019

Joseph E. Shepherd
C. L. “Kelly” Johnson Professor of Aeronautics and Mechanical Engineering
California Institute of Technology
Pasadena, CA 91125

Electronic versions of many of these documents are available at
http://shepherd.caltech.edu/EDL/publications.html

Journal and Refereed Symposium Articles

ORCID ID: http://orcid.org/0000-0003-3181-9310
Scopus Author ID: 7401741944
ResearcherID: http://www.researcherid.com/rid/B-5997-2014


https://doi.org/10.2514/5.9781600866074.0244.0264
https://doi.org/10.1016/S0082-0784(96)80145-7
https://doi.org/10.1016/S0010-2180(98)00014-5


Book Chapters


Books Edited


National Academy Reports


Conference Proceedings


26. M. Kaneshige and J. E. Shepherd 1997 “Hydrocarbon-Air-Nitrous Oxide Detonations” Western States Section/The Combustion Institute, Spring Meeting, April 14 and 15, Sandia National Laboratories, Livermore, CA.


28. U. Pfahl and J. E. Shepherd 1997 “Nitrous Oxide Consumption and Flammability Limits of H2-N2O-Air and CH4-N2O-O2-N2 Mixtures” Western States Section/The Combustion Institute, October 1997 Fall Meeting. Also GALCIT Report FM 97-16.


69. J. M. Austin and J. E. Shepherd “Characterizing the Fluctuations in Gaseous Detonation Fronts” 20th International Colloquium on the Dynamics of Explosions and Reactive Systems, Montreal, CA, August 2, 2005. (extended abstract)

70. J. E. Shepherd “Detonation as a Self-Sustained or ‘Living’ Phenomenon” 20th International Colloquium on the Dynamics of Explosions and Reactive Systems (ICDERS), July 31-August 5, 2005, Montreal Canada. (Extended Abstract)


118. J. Damazo, K. Chow-Yee, J. Karnesky, and J. E. Shepherd “Mitigating Effect of Polymer Coating on Deformation From Non-Ideal Explosions” presented at IMPLAST 2010, SEM Fall Conference, University of Rhode Island, Oct 14-21, 2010, Providence, RI.


140. S. P. M. Bane, S. A. Coronel, P. A. Boettcher, J. E. Shepherd “Statistical Analysis of Spark Ignition of Kerosene-Air Mixtures” Fall Technical Meeting of the Western States Section of the Combustion Institute Hosted by the University of California, Riverside, CA Oct 17 & 18, 2011. Paper # 027IC-0201.


Laboratory and University Reports


57. GALCIT 75, Program of the 75th Anniversary of the Founding of the Graduate Aeronautical Laboratories, Nov. 14-15, 2003. Joint project with Marionne Epalle and the Communications Office of the EAS Division with contributions by the GALCIT faculty.


Patents