PREPRINTS AND REPORTS:


21. "Ignition of Unmixed Cold Gaseous Reactants by a Hot Inert Gas" (with O.P. Sharma), 1970 Fall Meeting of the Eastern Section of The Combustion Institute, Atlanta, GA, November 5-6, 1970.


34. "Preliminary Analysis of a Fuel Droplet in a Convective Field" (with S. Prakash), Joint Meeting of Central and Western States Sections/Combustion Institute, April 1975.


37. "Liquid Fuel Droplet Heating with Internal Circulation" (with S. Prakash), Central States Section/Combustion Institute Meeting, March 1977.

38. "Unsteady Flame Propagation Through Fuel-Air Spray with Transient Droplet Heating" (with B. Seth), Central States Section/Combustion Institute Meeting, April 1978.


43. "Ignition under Crossflow Conditions" (with A. Birk and L.H. Caveny), Eastern Section/Combustion Meeting, Miami Beach, FL, November 1978.


58. "Multicomponent Droplet Vaporization at High Reynolds Numbers: Size, Composition and Trajectory Histories" (with S.L. Lerner and H.S. Homan), AICHE Meeting, Chicago, IL, November 1980.


75. "Report of the Peer Review Committee on the NASA Lewis Research Center Fundamentals of Combustion Program" (with several co-authors), December 1984.


78. "Axisymmetric, Transient Calculation for Two Vaporizing Fuel Droplets" (with G. Patnaik), Western States Section Technical Meeting of The Combustion Institute, Banff, Alberta, Canada, April 1986.


114. "Future Directions in Engineering Education at the University of California" (with many co-authors), Advisory Committee for Planning Engineering Education, Office of the President, University of California, March 1991.
115. "Transcritical Phase Equilibrium Computations: Application to O\textsubscript{2}/H\textsubscript{2} and N\textsubscript{2}/H\textsubscript{2} Mixtures" (with J.-P. Delplanque), Societe Europeenne de Propulsion Report, July 1991.


121. "Ignition and Flame Spread Above Liquid Fuel Pools" (with D. Schiller), Western States Section/The Combustion Institute, UCLA, October 1991.


125. "Flame Propagation in Metal Slurry Sprays" (with R. Bhatia), WSS/CI92-54 1992 Fall Meeting of the Western States Section of The Combustion Institute, Livermore, CA, October 1992.

126. "Analysis of Shell Formation from a Vaporizing Metal Slurry Droplet" (with I. Ray), 1992 Fall Meeting of the Western States Section of The Combustion Institute, Livermore, CA, October 1992.


142. "Flame Spread with Concurrent Air Flow Across n-Propanol Pools," (with D.N. Schiller), Fall Western States Section of The Combustion Institute, Palo Alto, CA, October 1995.


171. "Nonlinear Distortion and Disintegration of Conical Liquid Sheets at High Pressure" (with C. Mehring), extended abstract, ARO/AFOSR Contractors’ Meeting, Santa Fe, NM, June 2000.

172. “Comments on Energy Conservation in Liquid-Stream Disintegration” (with C. Mehring), presented at ICLASS 2000, July 16-20, Pasadena

173. “Planar-Liquid-Stream Distortion from Kelvin-Helmholtz and Capillary Effects” (with C. Mehring), presented at ICLASS 2000, July 16-20, Pasadena


188. "Miniature Combustor with Liquid-Fuel Film" (with D. Dunn-Rankin, B. Strayer, and T. Pham), preprinted for Western States Section/Combustion Institute Fall Meeting, Salt Lake City UT, October 2001.


191. "Primary Atomization of Liquid Film Discharging From Twin-Fluid Atomizer" (with C. Mehring), abstract only, APS Fluid Dynamics Meeting, San Diego, CA November 2001.


207. “Computational Investigation of a Miniature Liquid-fuel-film Combustor” (with C. Mehring, T.K. Pham, and D. Dunn-Rankin), Proceedings of Western States Section/Combustion Institute Fall Meeting, Los Angeles, CA, October 2003.


249. “Convective Vaporization and Burning of Droplet Arrays,” (with G. Wu), 6th US National

250. “Flame-holding with Fuel Injection into Cavity Adjacent to Air Channel,” (with B. Colcord

251. “One-dimensional Spray Combustion Optimization with a Sequential Linear Quadratic
Algorithm,” (with J. A. Sirignano, L. Rodriguez, and A. Sideris), 6th US National Combustion

ARO/AFOSR Contractors Meeting, National Harbor, MD, June 2009.

253. “Generation and Pressure Atomization of Water-in-oil Emulsions for Gas Turbines,” (with
C.D. Bolszo, A.A. Narvaez, S. Abbilian, A. Jepsen, D. Dunn-Rankin, and V.G. McDonell),
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Systems, Vail, Colorado USA, July 2009.

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255. “Progress on UCI Liquid Film Miniature Combustor,” (with D. Dunn-Rankin), Preprinted

Colcord, and S. Puranam), Preprinted for Joint Propulsion Conference, Denver, Colorado,
August 2009.

257. “Oil/Water Emulsion Mixing and Atomization Characterization: Final Report to Siemens,”


259. “Flame-holding in Cavity Adjacent to Accelerating, Turning Flow Channel,” (with B. J.
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260. “Pressure Atomization of Water-in-Oil Emulsions for Gas Turbines,” (with C. D. Bolszo,
A. A. Narvaez, S. Abbilian, A. Jepsen, V. G. McDonell, and D. Dunn-Rankin), Paper 09F-46,
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