

SILVER MEDAL

“for an outstanding paper presented at the previous symposium”

YEAR	AWARDEES (presenter)
1958	Seiichiro Kumagai & Hiroshi Isoda, Combustion of Fuel Droplets in a Falling Chamber” (Dr. B. Lewis)
1960	Peter Francis Knewstubb & T. Morris Sugden, Mass Spectrometry of the Ions Present in Hydrocarbon Flames” (Prof. G. C. Williams)
1962	Tucker Carrington, “Fluorescence and Rotational Relaxation of OH Radicals in Flames” (Mr. A. J. Nera)
1964	C. William Shipman, Dr. Alexander Vranos, & Norman M. Howe, Jr. “Turbulent Mass Transfer and Rates of Combustion in Confirmed Turbulent Flames” (Prof. G. C. Williams)
1966	Arthur A. Westenberg & Robert M. Fristrom “H and O Atom Profiles Measured by ESR in C ₂ Hydrocarbon-O ₂ Flames” (Prof. J. W. Linnett)
1968	R. L. Taylor, M. Camac, & R. M. Feinberg, “Measurements of Vibration-Vibration Coupling in Gas Mixtures” (Dr. W. H. Avery)
1970	Frederick Stucky Billig & Gordon Leslie Dugger, “The Interaction of Shock Wave and Heat Addition in the Design of Supersonic Combustion” (Dr. T. Paul Torda)
1972	Felix J. Weinberg & Michael Davis Fox, “Measurements of Flame Area in Terms of Saturation Current” (Dr. T. M. Sugden)
1974	Arthur Fontijn, Shelby C. Kurzius, & James J. Houghton, High-Temperature Fast-Flow Reactor Studies of Metal-Atom Oxidation Kinetics” (Dr. W. H. Avery)
1976	George H. Markstein, Lawrence Orloff, & John de Ris, “Upward Turbulent Fire Spread and Burning of Fuel Surfaces” (Prof. H. W. Emmons)
1978	F. A. Williams, Mechanism of Fire Spread” (Prof. Z. G. Szabo)
1980	Hidenori Matsui & Hak Shan Lee, “On the Measure of the Relative Detonation Hazards of Gaseous Fuel-Oxygen and Air Mixtures” (Prof. A. K. Oppenheim)
1982	Jurgen Warnatz, “The Structure of Laminar Alkane-, Alkene-, and Acetylene Flames” (Dr. R. M. Fristrom)
1984	Jack B. Howard & James D. Bittner, “Mechanisms of Hydrocarbon Decay in Fuel-Rich, Secondary Reaction Zones” (Prof. H. B. Palmer)
1986	Antonio D’Alessio, Federico Beretta, and Antonio Cavaliere, “Ensemble Laser Light Sprays in Isothermal and Burning Conditions” (Dr. C. T. Bowman)
1988	Assaad Masri & R.W. Bilger, Turbulent Non-Premixed Flames of Hydrocarbon Fuels Near Extinction: Mean Structure from Probe Measurements” (Dr. D. J. Seery)
1990	(1) D. L. Zhu, F. N. Egolfopoulos, & C. K. Law “Experimental and Numerical Determination of Laminar Flame Speeds of Methane/(Ar, N ₂ , CO ₂) –Air Mixtures as Function of Stoichiometry, Pressure and Flame Temperature” (2) Robert J. Kee, Jr., James A. Miller, Gregory H. Evans, & Graham Dixon-Lewis, “A Computational Model of the Structure and Extinction of Strained, Opposed Flow, Premixed Methane-Air Flames” (Jurgen Warnatz)
1992	Paul Roth, Ortwin Brandt, & Sabine von Gersum, “High Temperature Oxidation of Suspended Soot Particles Verified by CO and CO ₂ Measurements” (Dr. C. T. Bowman)

1994	(1) Matthias Hausmann, Peter Hebggen, & Klaus-Heinrich Homann “Radicals in Flames: Analysis cis Scavenging Reaction” (2) M. D. Smooke, Y. Xu, R. M. Zurn, P. Lin, J. H. Frank, & M. B. Long, Computational and Experimental Study of OH and CH Radicals in Axisymmetric Laminar Diffusion Flames” (<i>Prof. A. D’Alessio</i>)
1996	Robert H. Hurt & Kevin A. Davis Near-Extinction and Final Burnout in Coal Combustion” (<i>Prof. Sébastien Candel</i>)
1998	Charles J. Mueller, James F. Driscoll, David L. Ruess, & Michael C. Drake “Effects of Unsteady Stretch on the Strength of a Freely-Propagating Flame Wrinkled by a Vortex” (<i>Dr. Charles K. Westbrook</i>)
2000	P. Bucher,, R. Yetter, F. L. Dryer, T. Parr & D. Hanson-Parr “PLIF Species and Ratiometric Temperature Measurements of Aluminum Particle Combustion in O ₂ , CO ₂ and N ₂ O Oxidizers, and Comparison with Model Calculations” (<i>Donald R. Hardesty</i>)
2002	Scott T. Sanders, Jeffrey A Baldwin, Thomas P. Jenkins, Douglas S. Baer and Ronald K. Hanson “Diode-Laser Sensor for Monitoring Multiple Combustion Parameters in Pulse Detonation Engines.” (<i>Candel and Driscoll</i>)
2004	A.N. Karpetis and R.S. Barlow, "Measurements of Scalar Dissipation in a Turbulent Piloted Methane /Air Jet Flame", (<i>Troe and Williams</i>)
2006	Michael Frenklach, Charles A. Schuetz, and Jonathan Ping , “Migration Mechanism of Aromatic-edge Growth” (<i>Hanson and Lindstedt</i>)
2008	Claudia M. Fajardo and Volker Sick, “Flow Field Assessment in a Fired Spray-Guided Spark-Ignition Direct-Injection Engine Based on UV Particle Image Volcimetry with Sub Crank Angle Resolution” (<i>Aldén and Pope</i>)