

**James I. Mueller Award and Lecture
History of Lecturers**

Year Awarded	Name	Awarded for
2023	Jonathan Salem	Testing and design of ceramic structural materials and components at NASA
2022	Richard D. Sisson, Jr.	The future of materials engineering education
2021	Zuhair Munir	Electric Field Effects in the Processing of Materials
2020	William J. Weber	Ion-Beam Modification and Nanostructure Evolution in Ceramics
2019	Dileep Singh	Renewable Energy: Role of Ceramics and Composites
2018	George Wicks	Tiny Bubbles: An innovative ceramic opens new opportunities in medicine, security, energy, and environmental remediation Geopolymers: Structural Inorganic Polymers
2017	Waltraud M. Kriven	
2016	Jeffrey I. Wadsworth	Challenges and Opportunities for 21st Century Research & Development
2015	David R. Clarke	Materials Selection for the Next Generation Thermal Barrier Coatings
2014	Sheldon Wiederhorn	From the Rattler Test to Modern Fracture Mechanics: A Perspective on Toughness
2013	Anil V. Virkar	Ceramic Composites for High Temperature Aerospace Structures and Propulsion Systems
2012	David B. Marshall	
2011	Sylvia M. Johnson	Ultra High Temperature Ceramics: A Journey
2010	Hua-Tay Lin	Mechanical Reliability: Critical for Successful Application of Ceramics
2009	Curtis A. Johnson	Thermal Barrier Coatings - A Step in the Quest for Ceramics in Gas Turbines
2008	Donald J. Bray	Advanced Ceramics and the Path to Commercialization
2007	Ronald J. Kerans	Ceramic Composites Based on Crack-Deflecting Oxide Fiber-Coatings: Progress and Application Strategies
2006	Glenn Pfendt	Ceramics in Hot Water?!
2005	Mrityunjay Singh	In-Space Repair of Reinforced Carbon-Carbon (RCC) Thermal Protection System Structures
2004	Jitendra P. Singh	Residual Stresses in Composites and Coatings
2003	Karl M. Prewo	Ceramic Thermal Protection Systems in Space -- the long journey
2002	Victor Greenhut	
2001	R. Judd Diefendorf	
2000	Bonnie J. Dunbar	
1999	Kathryn Logan	Factors Affecting Fiber Design and Selection for Advanced Ceramic Composites
1998	James A. DiCarlo	
1997	John J. Petrovic	High Temperature Structural Silicides
1996	Richard M. Spriggs	Advanced Ceramics--The Transfer of Knowledge to the Market Place
1995	Liselotte J. Schioler	Diamond as the Ultimate Ceramic, or How a Ceramist's Life Got Harder
1994	Ronald E. Barks	Taking Ceramic Technology to Market: Examining the Full Range of Company and External Resources Available
1993	David E. Clark	Microwave Processing--Present Status & Future Promise
1992	Donald R. Messier	High Temperature Chemistry of Fibers and Composites
1991	Seong K. Rhee	Automotive Applications of Engineering Ceramics & Composites
1990	Frank D. Gac	Is There Anything of Practical Value Hidden Amongst the Composite Touchening Theories?! A Jim Mueller Perspective
1989	John D. Buckley	Composites: The Future is Now
1988	James W. McCauley	Some Considerations for the Evolution of Advanced Ceramics
1987	Jerome Persh	The U.S. is Meeting the Ceramics Challenge