

**John E. Marquis Award Past Winners  
Manufacturing Division**

- 1973 Eugene F. O'Connor, Richard A. Eppler (Pemco Products); "Semicrystalline Glazes for Low Expansion Whiteware Bodies"
- 1974 Larry L. Hench (University of FL), Byron P. J. Cason (American Cyanamid Co.); "Controlled Flocculation of Wall Tile Glaze Effluent"
- 1975 Cullen L. Hackler (Pemco Products); "Effects of the Zirconium Silicate Opacifier Source and Glaze Composition on Color Strength and Stability of Glaze Stains"
- 1976
- 1977 Girard W. Phelps (Rutgers University); "Reformulation of Whiteware Bodies"
- 1978 Salil K. Roy (University of Singapore); "Techno-Economic Formulation of Porcelains by Linear Programming"
- 1979 Laurence D. Gill, John D. Romano, Jr. (Pemco Products); "Abrasion Resistance of Ceramic Glazes"
- 1980 Russell K. Wood (American Standard); "Sanitary Ware-The Effect of First-Fire Film Cooling on Ware Properties"
- 1981 Cullen L. Hackler (Pemco Products); "Which is the Yellow for You?"
- 1982 Charles F. Hanks, Jr. (KY-TN Clay Co.); "Reformulation of Casting Bodies Using Slurries"
- 1983 James E. Funk (Alfred University); "Designing the Optimum Firing Curve for Porcelains"
- 1984 David B. Price (Detroit Diesel Allison (GM), James S. Reed (Alfred University); "Boundary Conditions in Electrical Porcelain Extrusion"
- 1985 Richard L. Lehman (Rutgers University), Jerry G. Weinsin, Girard W. Phelps (Rutgers University); "Reformulation of Whiteware Bodies Using Characterization and Linear Programming Methods and Techniques"
- 1986 John A. Slyh (American Olean Tile Co.); "Sorption-Desorption of Water on Porous Ceramics"
- 1987 Hayne Palmour III (NC State University); "Rate Controlled Sintering of Whiteware Porcelain"
- 1988 Richard A. Eppler (Eppler Associates); "Selecting Ceramic Pigments"
- 1989 James E. Funk (Jefco Ceramic Consultants), Dennis R. Dinger (Clemson University); "Slip Control Using Particle-Size Analysis and Specific Surface Area"
- 1990 Christopher T. Decker (Drakenfeld Colors); "The Stability of Zirconium Vanadium and Zirconium Praseodymium Yellow Pigments in a Fast-Fire System"
- 1991 Julie Faison and Richard A. Haber "Use of Polyphosphates as Deflocculants of Alumina"
- 1992 Thomas E. Landon, "Avoiding Some Pitfalls in Process Data Analysis"
- 1993 Georges J. Ghorra, "Theory of Fast Firing"

- 1994 David Shucavage, "Practical Pointers for Implementing an ISO 900 Quality System"
- 1995 John F. Kinkela, "Establishing Regulatory Compliance in a New Planet"
- 1996 Lalit Behal & Dan Schelker, "Effects of Polyacrylate and Sodium Silicate, Dispersant on Plaster Mold Characteristics"
- 1997 William J. Kelly, "A Procedure for Determining the Response of Organic Matter in Ball Clays to Alkaline Digestion"
- 1998 A. Kenneth Bougheter, "A Practical Evaluation of Reversible Thermal Expansion in Determining Fired Whiteware Body Performance."
- 1999 Douglas R. Eppler and Richard A. Eppler, "Calculating Glaze Color From Pigment and Opacifier Standards"