



Louis J. Circeo, Ph.D.

Dr. Louis J. Circeo, Jr. serves as the Chief Scientist for plasma arc applications for Applied Plasma Arc Technologies. Dr. Circeo attended Iowa State University where he received a doctorate in Civil Engineering in 1963 and a Masters in Geotechnical Engineering in 1961. His undergraduate degree in Engineering was earned at the US Military Academy in West Point, NY. He is retired from the Georgia Tech Research Institute (GTRI) where he founded and directed the Plasma Arc Research Facility. Areas of research at GTRI were directed toward the development of engineering and environmental applications of plasma arc technology for energy production/conservation and the treatment and remediation of municipal and hazardous/toxic wastes. Other research interests included the in situ plasma stabilization of geologic materials for ground improvement, and the in situ plasma remediation of contaminated soils, municipal landfills, and buried hazardous/toxic waste deposits.

At Georgia Tech, he was the Founding Director of the Construction Research Center in the College of Architecture where he established a nationally-recognized research facility to support the U.S. construction industry in all aspects of construction technology and information exchange. Areas of research included the use of computers in planning, design and construction; composition and performance of building materials; and management technologies for facility operations and maintenance.

At the Defense Nuclear Agency, Dr. Circeo directed a research program responsible for all Department of Defense (DoD) exploratory development research for the worldwide peacetime security of nuclear weapons, and the wartime survivability of theater nuclear forces in Europe and the Pacific.

At the U.S. Army Construction Engineering Research Laboratory, he directed a staff of over 400 government employees and academic student/faculty scientists and engineers at the University of Illinois at Champaign-Urbana; conducted basic research and exploratory development research programs relating to worldwide military facility planning, design, construction, operations and maintenance in support of U.S. Army Corps of Engineers military construction and installation support requirements.

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