

Recipients of The Knee Society's 2020 Lifetime Achievement Awards



Dr. Albert H Burstein is a biomechanical engineer with fifty-eight years of orthopaedic biomechanics experience. He received his Doctorate Degree from New York University in the field of Applied Mechanics. He started his career at the Hospital for Joint Diseases in 1962, then moved to Case Western Reserve University in 1969, and finally to the Hospital for Special Surgery in 1976 where he was Director of the Department of Biomechanics. His other positions included Professor of Surgery in Applied Biomechanics at Cornell Medical School and Deputy Editor for Research for the Journal of Bone and Joint Surgery. Dr. Burstein is a founding member and past President of the Society for Biomechanics, winner of the Orthopaedic

Research Society Shands Award, recipient of the ASME Lissner Award, the Kappa Delta Award from the AAOS and the Orthopaedic Research Society, and the Lifetime Achievement Award from the International Society for Technology in Arthroplasty. He holds thirty-six US patents in the fields of orthopaedic implants and materials, and has authored or co-authored over one hundred peer reviewed papers, two textbooks and numerous chapters in the field of orthopaedic biomechanics.



Dr. Leo A. Whiteside, an internationally known orthopaedic surgeon, inventor and educator from St. Louis, MO, is recognized as one of the world's foremost authorities on osteointegration technology in total knee and hip arthroplasty. In the early 1980s he pioneered one of the first successful cementless total knee systems along with the first intramedullary alignment instrumentation system for knee surgery. He has designed three total hip systems, two total knee systems, a unicondylar knee system, and several surgical instruments. In the past decade he has dedicated much of his research effort to ligament balancing techniques in knee arthroplasty. After collecting and comparing extensive cadaveric

laboratory and surgical-clinical data, he has developed protocols for balancing ligaments in primary and revision knees. As director of the Missouri Bone and Joint Center and its affiliated research foundation, Dr. Whiteside has published approximately 200 peer-reviewed journal articles and book chapters. He also serves on numerous orthopaedic committees and journal review boards.

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