Burstone-Indiana Biomechanics Award

In tribute to the career of one of the great scientific achievers in orthodontics, the American Association of Orthodontists Foundation (AAOF) has created a new research award in honor of the late Charles Burstone, DDS, MS. The ***Burstone-Indiana Biomechanics Award*** will fund future studies in the field of biomechanics and other emerging technologies. The successful applicant of the award each year will be designated as a Burstone Fellow in Biomechanics.

Dr. Burstone was a pioneer in the study of biomechanics and orthodontics. He believed that the collective study of physics, mechanics, and engineering was essential to optimal and more predicable orthodontic outcomes for patients.

The Burstone-Indiana BioMechanics Award was made possible through the shared contributions of some of Dr. Burstone's professional colleagues, friends, and admirers, including orthodontists:

Chris Chang, DDS, PhD (Taiwan)
Charles Coghlan, DDS, MSD (GLAO/IN)
Gene Dellinger, DDS, MSD (GLAO/IN)
Jerry R. Hickman, DDS, MS (GLAO/IN)
Michael Marcotte, DDS, MSD (NESO/CT)
Anthony Puntillo, DDS MSD (GLAO/IN)
Charles Simons, DDS, MSD (GLAO/IN)
Rodrigo Viecilli, DDS, PhD (PCSO/CA)

Eugene Roberts, DDS, PhD, DHC, was a student and long-time colleague of Dr. Burstone's at Indiana University's School of Dentistry and was instrumental in organizing the fundraising for this award. "Indiana University has been unique in the history of orthodontics. Under the guidance of Dr. Burstone, orthodontics and mechanical engineering were brilliantly fused to help students understand the physics of how teeth move," says Dr. Roberts.

Burstone Fellows in Biomechanics

2016 – Toru Deguchi, DDS, MSD, PhD, The Ohio State University School of Dentistry, Stability of Self-tapping and -drilling miniscrews by biomechanical evaluation

2017 – Jan Ying, DDS, PhD, Texas A&M HSC College of Dentistry, Novel roles of chondrocyte-derived bone cells in mechanical strain-induced TMJ remodeling

2018 – Sunil D. Kapila BDS, MS, PhD, University of California, San Francisco, The Role of Osteocyte-Mediated Bone Remodeling in Temporomandibular Joint Osteoarthritis