



Ahmed Kaboudan

**D.D.S., M.SC. Orthodontics,
Biomechanics, France,**

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In order to fulfill a lifelong passion for science, **Ahmed Kaboudan** pursued an interdisciplinary career in dentistry, biomechanics, and computer science. He received his Master of Orthodontics and Biomechanics from France and later a Ph.D. in Computer Science in Artificial Intelligence from USA. He joined the University of Connecticut (UCONN, USA) as a professor of Orthodontics and Biomechanics, researching and developing computer applications in the field of Biomechanics and Personalized Computer Treatment Generation and Simulation.

He was awarded the certificate of "Outstanding Achievement". During the years he continued his contributions to the advancement of science. Among his major work in medical computing was in cooperation with IBM research center, designing and implementing the first Health Information System for the Middle East region. From 1995, he dedicated most of his time to supercomputing, parallel, and massively parallel systems, National Information Infrastructure, Health Information Networks and Artificial Intelligence. He conducted different projects with a variety of military research centers, public and private medical and engineering schools, and initiated and developed many medical and civilian projects and products.

He teaches, manages, and supervises research in different disciplines. He was the Senior Advisor for the Egyptian MCIT and Head of Health Applications Competitive Edge Committee of the Egyptian Chamber of Information Technology CIT. He was the Supercomputing Advisor, for the Specialized National Councils, Egypt. He was an international consultant for the Saudi MOH designing the SA health hub SEHE (currently NPHIS).

Dr. Kaboudan was awarded many US patents and prizes and elected "Man of the year" for his contributions to the field of computing. He lectures in different USA, Europe, and ME universities in the field of Artificial Intelligence in Healthcare. He has also a continuous flow of publications in first rank international journals.

Areas of emphasis include scientific computing, number crunching, massively parallel programming, medical computing, military computing, mechanical and physics based simulations, distributed simulations, AI, mixed reality, computer vision, real-time 3D visualization and process simulation, military simulators building, as well as national projects for management, healthcare, patientcare, and patient management information systems.

