Biography of Eugene Olevsky

Eugene A. Olevsky is a distinguished leader and internationally recognized scholar in the fields of materials science, mechanical engineering, and advanced manufacturing. He serves as the Dean of the College of Engineering and Distinguished Professor of Mechanical Engineering at San Diego State University. In addition, he is the Director of the Powder Technology Laboratory at San Diego State University.

Dr. Olevsky earned two Master of Science degrees in Mechanical Engineering and Applied Mathematics, as well as a Ph.D. in Materials Engineering. He completed postdoctoral research in mechanics and materials as an Alexander von Humboldt Fellow. His academic career began at San Diego State University in 1998, where he progressed through the academic ranks to Distinguished Professor. Since 2018, he has served as Dean of the College of Engineering, providing strategic leadership in education, research, innovation, and external engagement.

Dr. Olevsky is internationally recognized as the author of the continuum theory of sintering, a foundational theoretical framework that has become a benchmark in powder processing and materials consolidation. His research integrates experimental investigation with advanced computational modeling of powder-based manufacturing processes, including ceramic, metallic, glass, and composite materials, as well as additive manufacturing and field-assisted sintering technologies. His pioneering contributions have advanced spark plasma sintering, flash sintering, microwave sintering, and electro-nano-pulsing approaches, enabling ultra-rapid, energy-efficient, and precisely controlled materials processing.

He has authored more than 560 scientific publications and presentations, holds multiple patents, and has delivered over 150 invited and keynote lectures at international conferences. According to citation metrics reported by Thomson Reuters ISI, Dr. Olevsky is among the most highly cited researchers in the area of sintering science and powder processing. His work has influenced a wide range of applications, including aerospace, energy, biomedical engineering, electronic packaging, and nuclear materials.

Dr. Olevsky has played a central role in shaping the global sintering community. He serves as Chair of the International Sintering Conferences, widely regarded as the de facto World Congress on Sintering, and as Vice President of the International Institute for

Science of Sintering. He has also contributed extensively to scientific literature through editorial leadership with numerous international journals in materials science and engineering.

A dedicated mentor and educator, Dr. Olevsky has supervised more than 100 graduate students, postdoctoral fellows, and visiting scholars from around the world. His leadership has emphasized student success, research excellence, and inclusive participation, contributing to sustained growth in research productivity and academic impact.

Dr. Olevsky's contributions have been recognized with numerous international honors, including the Distinguished Scientist and Engineer Award from The Minerals, Metals and Materials Society, the Champion H. Mathewson Award, the Pfeil Award from the Institute of Materials, Minerals and Mining in the United Kingdom, the Frenkel Prize of the International Institute for Science of Sintering, and the Albert W. Johnson Distinguished Professor Award. He is a Fellow of The Minerals, Metals and Materials Society, the American Society of Mechanical Engineers, ASM International, and the American Ceramic Society, an Academician of the World Academy of Ceramics, and a foreign member of multiple national academies of engineering and science.

Through his scholarship, institutional leadership, and mentorship, Eugene A. Olevsky continues to shape advances in materials processing, manufacturing science, and engineering education worldwide.