Glenn Daehn

Fontana Professor, Materials Science Engineering | College of Engineering at The Ohio State University
Columbus, OH, US

Materials science engineering expert, revolutionizing impulse-based manufacturing

Biography

Glenn Daehn's research, education and service efforts are all broadly related to the interwoven themes of Midwestern manufacturing revival, which in turn depends on technology development, integration of the University mission with regional industry and the development of a world-class workforce that is both smart and creative as well as able to make things.

Recently, most of Glenn's research is focused on impulse-based manufacturing. This technology allows new ways of shaping, cutting, joining and processing materials.

Glenn is passionate about connecting kids in the K-12 pipeline to careers in the STEM fields (at all levels, not just professional engineers). Since 2007 he has been very involved in the ASM Materials Camp for Teachers program and since 2010 has been a trustee on the ASM Education Foundation Board. Since 2012 he has been involved in the professional development of practicing high school science teachers through the Math Science Partnership Program.

Glenn has been involved in a range of activities that encourage deep interaction between academia and industry. He was the founder and is the current Director of the Ohio Manufacturing Institute. He is part of OSU's leadership team for the Lightweight Innovations for Tomorrow Institute, founded by EWI, University of Michigan and Ohio State. He leads the Agile Manufacturing and Low Cost Tooling pillar. He also plays central roles in Ohio State's manufacturing initiatives including the Center for Design for Manufacturing Excellence and the Materials and Manufacturing for Sustainability Discovery Theme Initiative.

Industry Expertise

Manufacturing, Research, Education/Learning, Machinery

Areas of Expertise

Metallurgical Engineering, Impulse-based manufacturing, Materials Science, Intersection of Academia and Industry

Education

Stanford University
Ph.D. Materials Science and Engineering

Stanford University
M.S. Materials Science and Engineering

Northwestern University
B.S. Study Materials Science and Engineering
