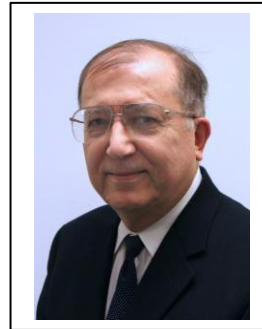


Professor Taylan Altan

Professor (Emeritus) and Director
Center for Precision Forming (CPF)
(formerly ERC for Net Shape Manufacturing)
1971 Neil Ave / 339 Baker Systems
Columbus, OH 43210, USA
Tel: (614) 292-5063 Fax: (614) 292-7219
e-mail: altan.1@osu.edu
homepage: <http://nsm.eng.ohio-state.edu/>



Experience Highlights

- 19 Years industry Experience
- 28 years Univ. R&D
- 500+ publications
- 4 books in Metal Forming
- Recipient of various awards

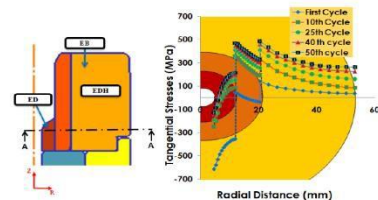
Experience Summary

Taylan Altan is currently a Professor (Emeritus) of Mechanical and Integrated Systems Engineering at OSU. He received his Diploma Engineering degree from the Technical University, Hannover, Germany and his MS and PhD from the University of California, Berkeley. After working two years at Dupont and 18 years at Battelle, he joined OSU in 1986. He is a Fellow of SME, ASME, ASM International and CIRP, and Director of the Engineering Research Center for Net Shape Manufacturing (ERC/NSM) and the Center for Precision Forming (CPF) funded by NSF and Industry.

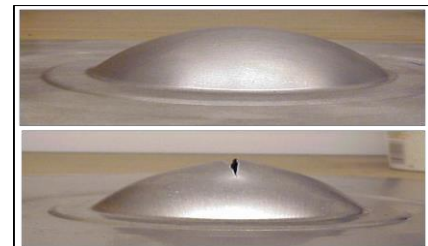
He authored and co-authored more than 600 technical papers and metal forming related books: (1) Forging Equipment and Processes, (1973), (2) Metal Forming – Fundamentals and Applications (1983), (3) Cold and Hot Forging – Fundamentals and Applications (2004), (4) Sheet Metal Forming – Fundamentals and Applications (2012).

Research Areas

- **Cold, Warm, and Hot Forging** (materials, lubrication, tool materials and design, deformation mechanics, forging presses, heating and automation, product properties, environmental issues). Die design using FEA, analysis of die wear, prediction and elimination of forging defects



- **Sheet Metal Forming** (material characterization using bulge and dome tests, evaluation of lubricants using the cup draw test, process simulation to predict and eliminate excessive thinning or wrinkles, prediction and reduction of springback and residual stresses)



- **Process Modeling in Metal Forming:** Optimization of processes such as forging and sheet forming to reduce weight and increase material and machine utilization

