

CLASS PRESENTED BY:

Dr. Vijay Nagpal
President, Metal Forming Systems, Inc.

INSTRUCTOR'S BACKGROUND:

- Ph.D. & ME in Mechanical Engineering – Georgia Institute of Technology, Atlanta
 - Thesis Subject - Analysis of Metal Forming Processes
- Inventor of NAGFORM / NAGSIM software
- PATENTS (Co-Inventors – Ford Motor Company) in the following subjects:
 - Extrusion forming of internal helical splines
 - Stepped extrusion die assembly
 - Cold extrusion for helical gear teeth
 - Entrance contour design to streamline metal flow in a forging die
- Over 40 publications in journals such as ASME, SME, ASM, Fastener Technology International etc.
- Taught Mechanical Engineering related classes at University of Michigan (Dearborn), Lawrence Tech University and University of Detroit Mercy.
- Work Experience
 - President, Metal Forming Systems, Inc.
 - Transmission Gear Development Consultant, Ford Motor Company
 - Principal Research Scientist, Battelle Labs, Columbus Ohio
 - Tool Engineer, Tata Engineering (TELCO), India