Center for Precision Forming

https://cpf.osu.edu and https://ercnsm.osu.edu)

Taylan Altan, Director (altan.1@osu.edu, phone: 614-292-5063)

Linda Anastasi, Office Administrative Assistant (anastasi.2@osu.edu, phone: +1-614-292-9267)

- Background and Activities - April 2018 -

The Ohio State University has established the Industry/University Cooperative Research Center on Precision Forming **in 2005** focusing on the needs of the metal forming industry. Initially, the National Science Foundation (NSF) partially funded this activity together with the participating companies. The Center for Precision Forming (CPF – https://cpf.osu.edu) is currently funded exclusively by our member companies.

CPF is using extensively the knowledge base developed at the Engineering Research Center for Net Shape Manufacturing (https://ercnsm.osu.edu) at The Ohio State University, which is now merged with CPF. The ERC/NSM is one of the leading university associated groups in North America conducting R&D and providing education in metal forming (stamping, sheet & tube hydroforming, forging) since 1986. In addition to training students, we conduct R&D projects for government agencies e.g. National Science Foundation and for a Consortium of companies worldwide as well as individual companies, on a confidential basis.

Current CPF members include AFTON CHEMICAL, AIDA, ALTAIR, AUTOFORM, BATESVILLE TOOL & DIE, BOWMAN PRECISION TOOLING, CHRYSLER (FCA), DIE CAD GROUP, ESI NORTH AMERICA, GE APPLIANCES, HOUGHTON INTERNATIONAL, HYSON METAL FORMING SOLUTIONS, IRMCO, MIDWAY PRODUCTS, NATIONAL MANUFACTURING, NUCOR, POSCO, QUAKER CHEMICAL, SFTC, SHILOH INDUSTRIES AND TE CONNECTIVITY LTD.,

At CPF, the project and topics of R&D may be suggested by CPF staff or by member companies who set the priorities for research by voting in the semi-annual Industrial Advisory Board (IAB) meeting or by discussing their interests with CPF Director. CPF uses, in addition to commonly used engineering software packages, the commercially available DEFORM 2D and 3D for applications in forging and 3D-PAM-STAMP, as well as AUTOFORM, and LS-DYNA for sheet metal forming.

BENEFITS TO MEMBER COMPANIES

Each member company selects or suggests one or more research topics or projects, related to metal forming that should be conducted. This project may be one that is at ready conducted at CPF or an entirely new topic or project.

When working with member companies, CPF respects the confidentiality of certain detailed information that may be provided by the company. Results of research are not published unless publication is approved by the interested member company.

In addition, each member company has access to all CPF reports and other information available at CPF, obtained from various sources.

CONTACT:
Taylan Altan
Director, Center for Precision Forming
altan.1@osu.edu
(614) 292-5063
https://cpf.osu.edu and https://ercnsm.osu.edu