

Center for Precision Forming (CPF)

*-National Science Foundation (NSF)
Industry/University Cooperative Research Center (IUCRC)-*

Directors

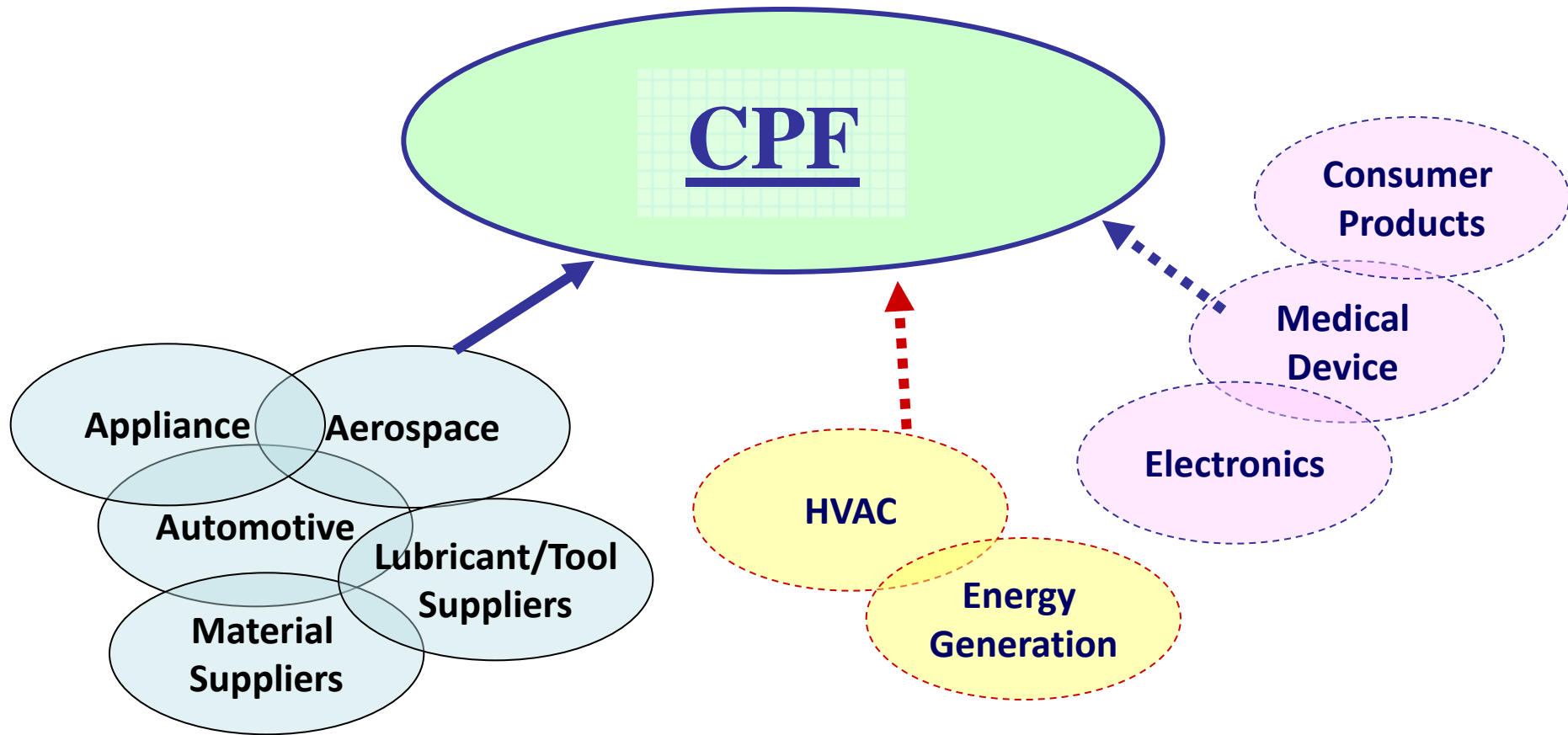
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*Virginia Commonwealth University
(VCU)*

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*Ohio State University
(OSU)*

Membership



1. *Aida America (S)*
2. *Boeing*
3. *ESI North America (S, I)*
4. *Edison Welding Ins (S)*
5. *General Motors*
6. *Honda*
7. *IM Steel-Daido (S)*
8. *IMRA (S)*
9. *IOMS (S)*
10. *Interlaken (S)*
11. *Johnson Controls*
12. *Labein*
13. *Luvata (I)*
14. *POSCO*
15. *SFTC (S, I)*
16. *Solidica (S)*
17. *Sungwoo Hitech*
18. *Timken*
19. *Thixomat (S)*

Current Members and Sponsors

SPONSORS

1. *US Steel*
2. *SSAB*
3. *AMPCO*
4. *BuhlerUddeholm*
5. *Irmco*
6. *TowerOil*
7. *Ronart Industries*

Research Vision

Micro-Manufacturing

1. Fuel Cell Manufacturing
2. Micro-Reformers
3. Microfluidics
4. Assembly
5. Contact mechanics

Lightweight Manufacturing

1. Innovative processes development
2. Process optimization
3. Predictive computational tools & methods
4. Lightweight material characterization

- Fuel efficiency
- Near-Zero emission
- High performance

Clean energy

Low-mass

Fuel Cells

Forming & Fabrication

Hydrogen

Lightweight materials

Small vs. Large Businesses

- Prior and personal contacts,
- Direct and near-term benefits,
- Interact with owners at SBs
- Rapid decisions and actions at SBs
- Usually, more challenging, more applied and more urgent research problems

Membership Motives

- SBs are after either direct, short-term and real problems to assist them in their current research or more challenging and scientific problems to help them win a new business or funding;
- For large businesses, it all depends on the champion (if there is one),