



The high dynamics in today's manufacturing development provide unique opportunities for innovation by novel cross-disciplinary competence mergers in both technology and curriculum development

Intention:

- Launch emerging competence areas
- Nucleate new topic mergers
- Seek “to-dos” and “not-to-dos”

Profile:

- High risk “game changers”
- Strong leverage potential
- New collaborative teams

Proposal facts:

- seed funding
- \$250k (approx. @ 50k/project)
- teaching effort integration possible
- call for proposals April, 2018

Implementation speed

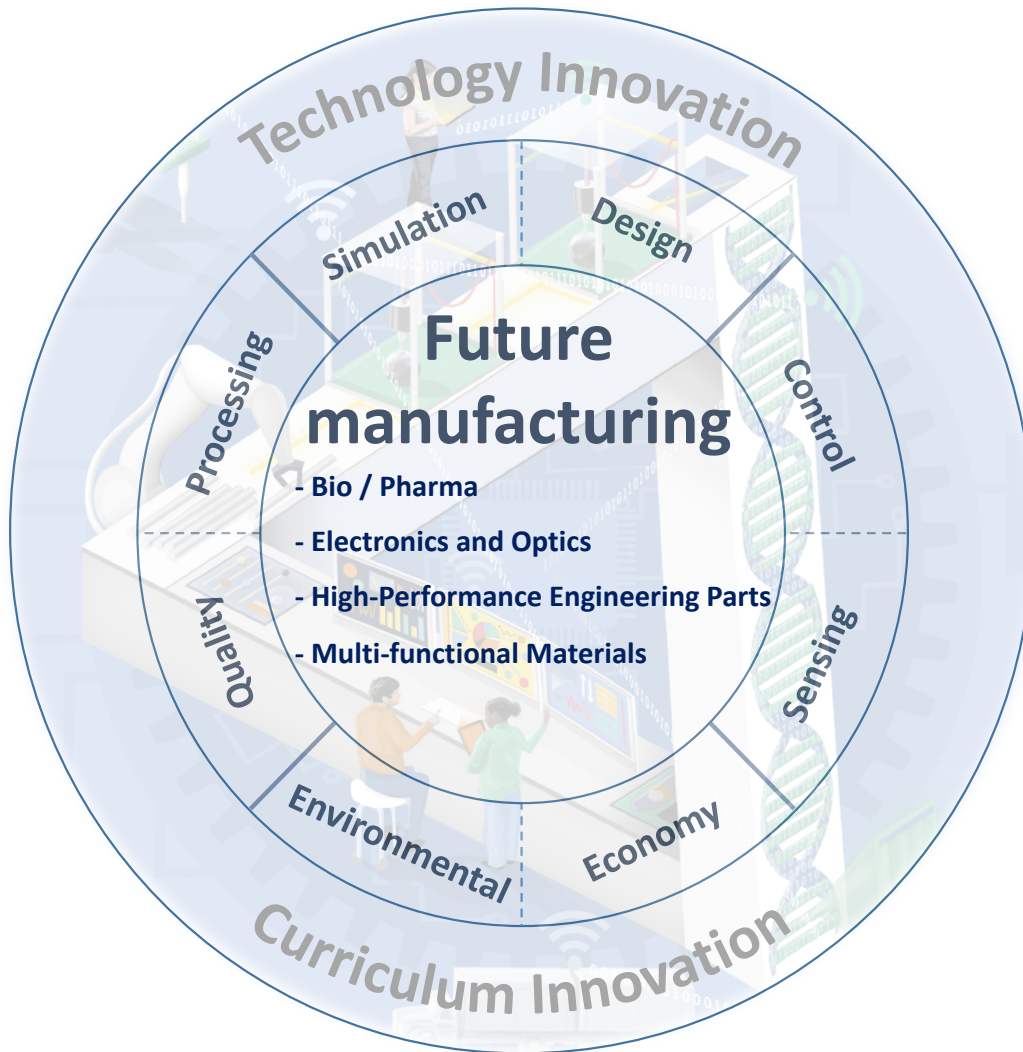
- Innovation cycle efficiency
- Added value offerings
- Smart support tools

Manufacturing agility

- Production flexibility
- Tailored mass production
- Parallel design/production dev.
- Connectivity

Resource efficiency

- Tactical partnerships
- Workforce development
- Supply adeptness (LCE)



Additional content ideas:

- “Seed cultivation” for future large proposals (NSF, DOD, DOE,)
- Purdue unique and concrete opportunities based on current strengths (“split-vision”)
- “Out-of-the box” opportunities and collaborations
- Innovative curriculum opportunities (professional education, workforce development, etc.)

- **March 26:** e-mail reminder about the EFC event **(Raman/Crawford)**
- **April 2:** 4 (max 5) PowerPoint slides to be presented a during the EFC-forum April 6.
(content e.g. motivation / opportunities / future funding potential)
Send to: Crawford/Raman/Mansson **(Discussion leaders)**
- **April 6:** EFC-forum 11.30 – 13.00. 4 minutes presentation by each discussion leader
+ leading the thematic discussion group **(Discussion leaders)**
- **April 7:** Short (bullet form) proposal content ideas (vision, content etc.)
Send to Crawford/Raman/Mansson **(Discussion leaders)**
- **April 9 - June:** Proposal & Funding administration **(Raman/Crawford)**
 - **April 9:** Call for proposal announced
 - **April end:** Proposal submission deadline
 - **May mid:** Announcement of funded projects
 - **May end:** Funding allocated

- Potential themes (3-4)
 - 1).....
 - 2).....
 - 3).....
 - 4).....

- Indicate for each of the potential themes
 - What are the barriers today
 - Potential impact
 - Potential partners
 - Why the theme suits Purdue
 - Education opportunities & Outreach