



# NRT THINKER

# Technology-Human INtegrated Knowledge Education and Research



Laine Mears, BMW Chair of Automotive Manufacturing

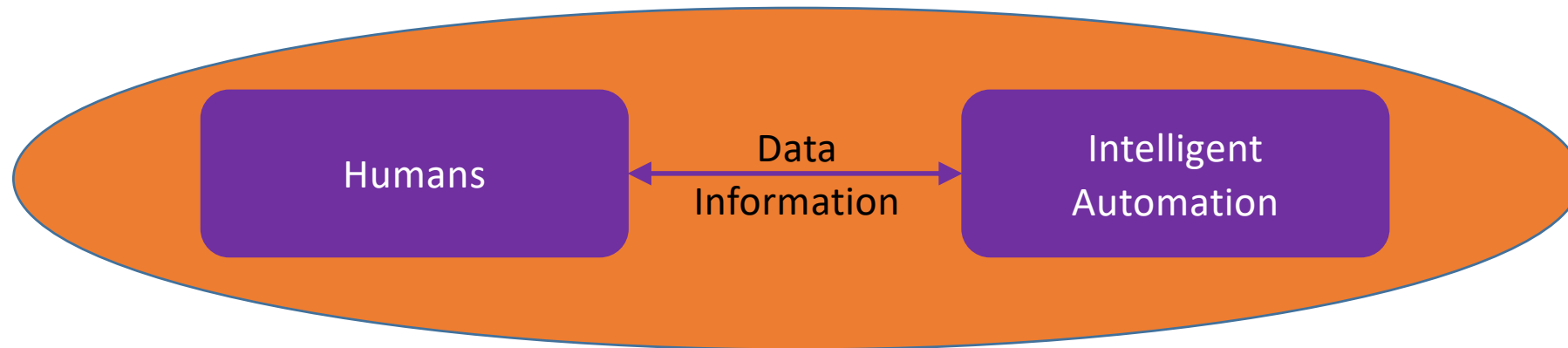
[mears@clemson.edu](mailto:mears@clemson.edu)

Carol Beckham, THINKER Program Coordinator

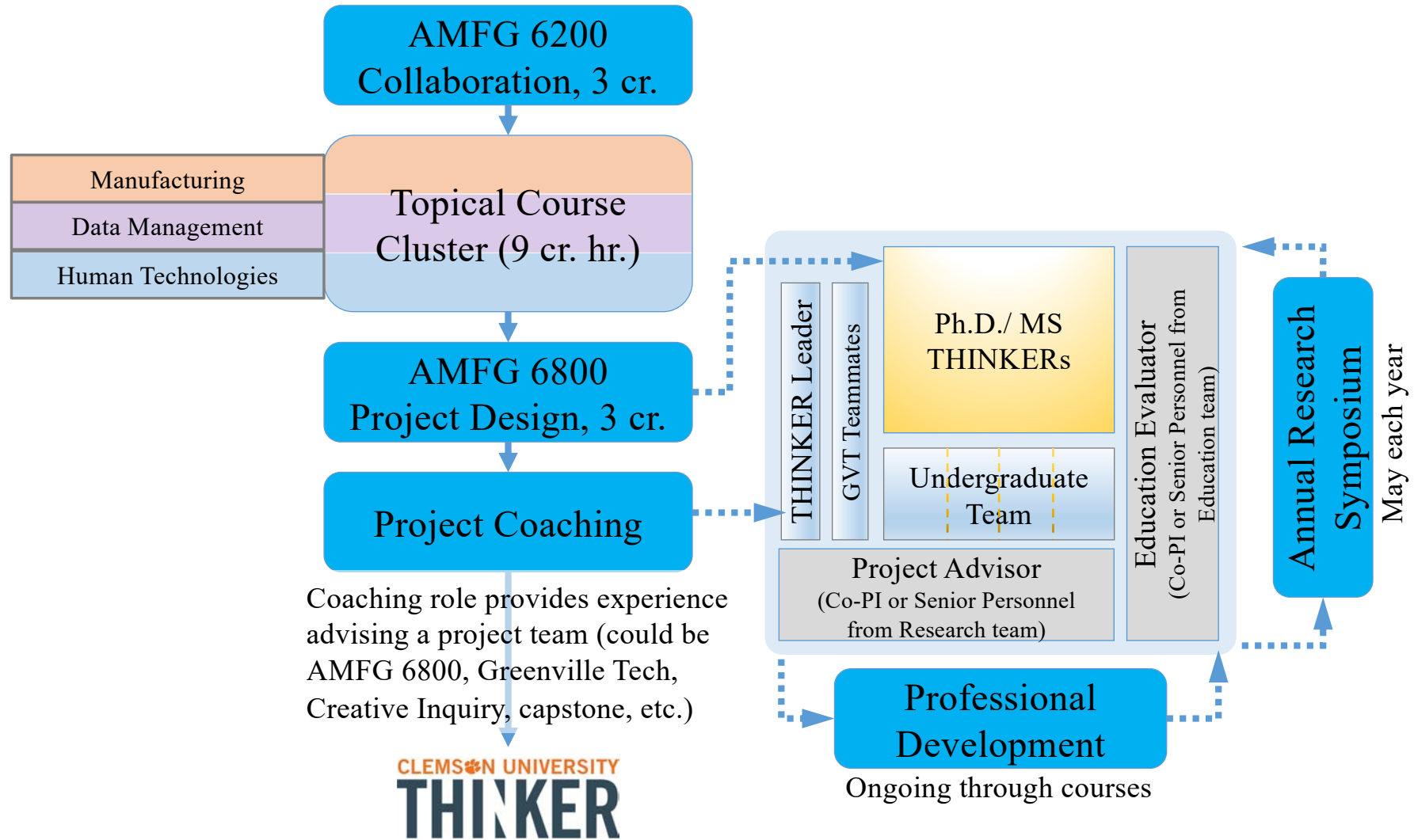
[chende8@Clemson.edu](mailto:chende8@Clemson.edu)



- A graduate traineeship sponsored by the National Science Foundation



- Participating students will engage in:
  - Course on collaboration and teamwork
  - Technical Electives from Manufacturing, Human and Data categories
  - Special activities for professional development, mentoring and career planning
  - Executing a multi-level human-system design project, working together with industry and technical college teammates





- Trainees
  - Fellows
    - Selected trainees are eligible for full cost of education and \$34,000 stipend
    - US citizens and permanent residents only
    - MS support for 1 year, Ph.D. support for 2 years
  - Scholars (*funded externally*)
    - Any graduate student in a Science, Technology, Engineering, or Math discipline with an interest in Manufacturing, Data Analysis, or Human-Enterprise modeling and design.
- All participants will be recognized with a certificate for program completion



- Experience working in teams of graduate students, undergraduates, and technical college students on manufacturing system design
- Cross-disciplinary and project-based experience, together with industrial sponsors and mentors
- Industry-based mentoring and professional development training
- Opportunity to develop your own educational material
- Potential for funding for education and stipend (*US citizens and permanent residents only*)

# THINKER Teams





- Apply now! <https://cecas.clemson.edu/thinker/>
- Cohort begins in Fall semester each year
- Questions?
  - Laine Mears, BMW Chair of Automotive Manufacturing
  - [mears@clemson.edu](mailto:mears@clemson.edu)
  - Carol Beckham, THINKER Program Coordinator
  - [chende8@Clemson.edu](mailto:chende8@Clemson.edu)