

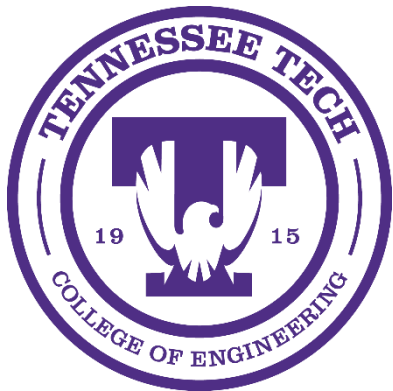
Tennessee Tech University

College of Engineering

Graduate Studies and Research Update

Vahid Motevalli, PhD, PE

Associate Dean for Research and Innovation

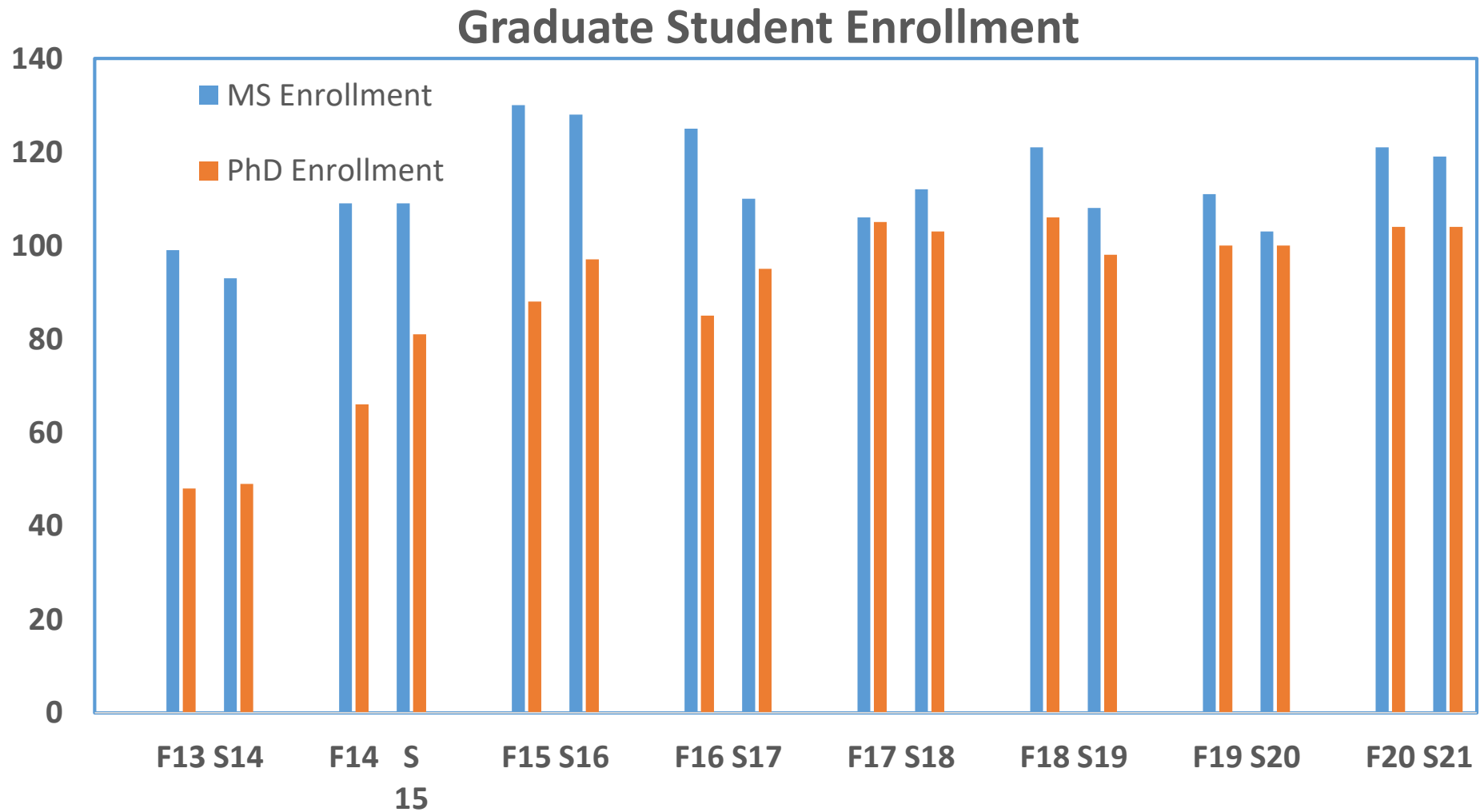


As of 30 April 2021

Research and Graduate Program Highlights

- TN Tech achieved Carnegie Classification R2 in Dec. 2018.
- CoE is the lead in maintaining the Carnegie Classification, PhD degrees & research awards.
- Responding to the goal set by the University to **double external research by 2025.**
- Faculty submitting and receiving awards at a higher level than last year, despite the pandemic.
- Graduate enrollment has remained stable at over 100 PhD and 120 MS student enrollments.
- During 2019-20, CoE conferred 21 PhD degrees
- **Celebrating 50 years of the PhD program in F'21**

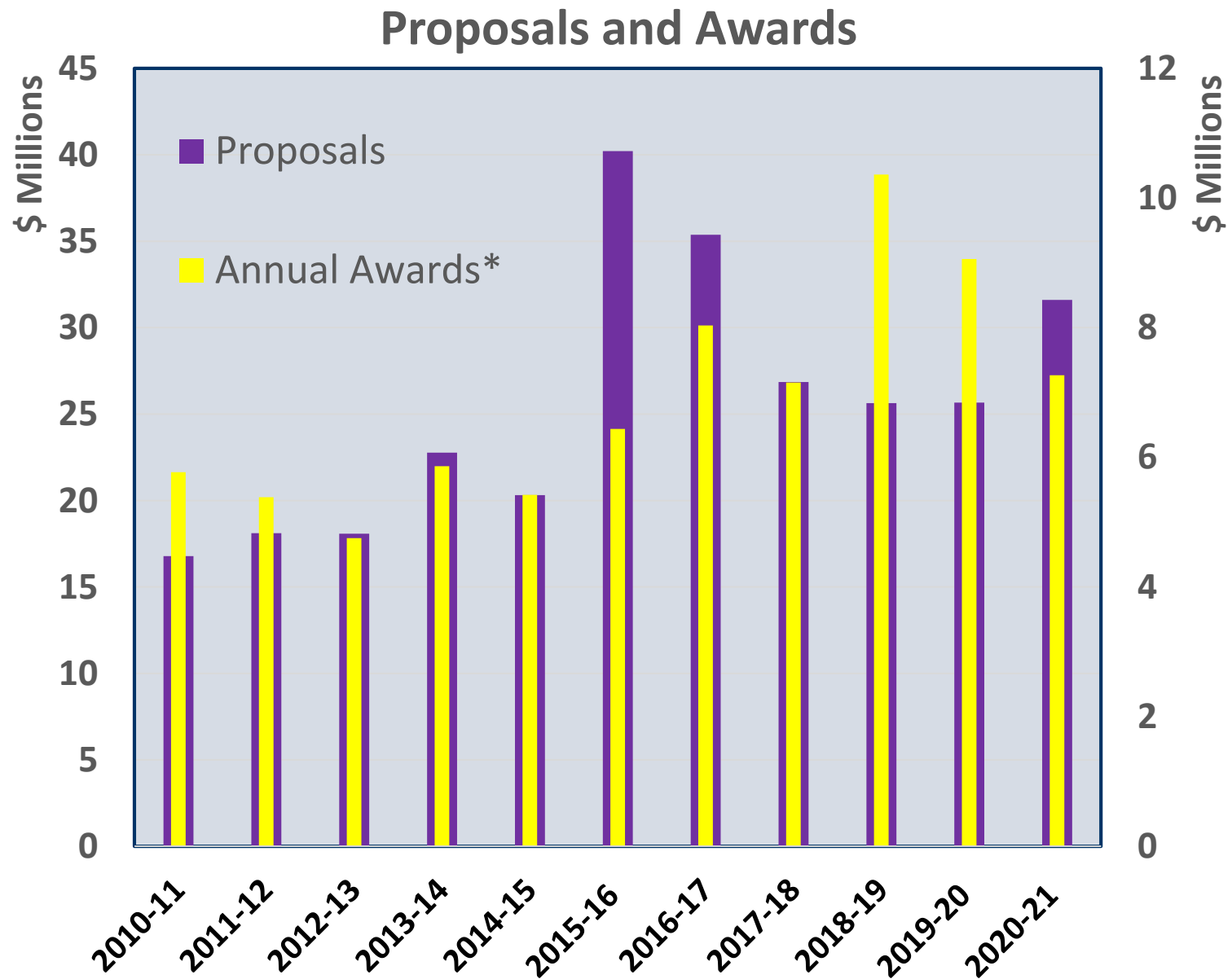
Graduate Program Enrollment



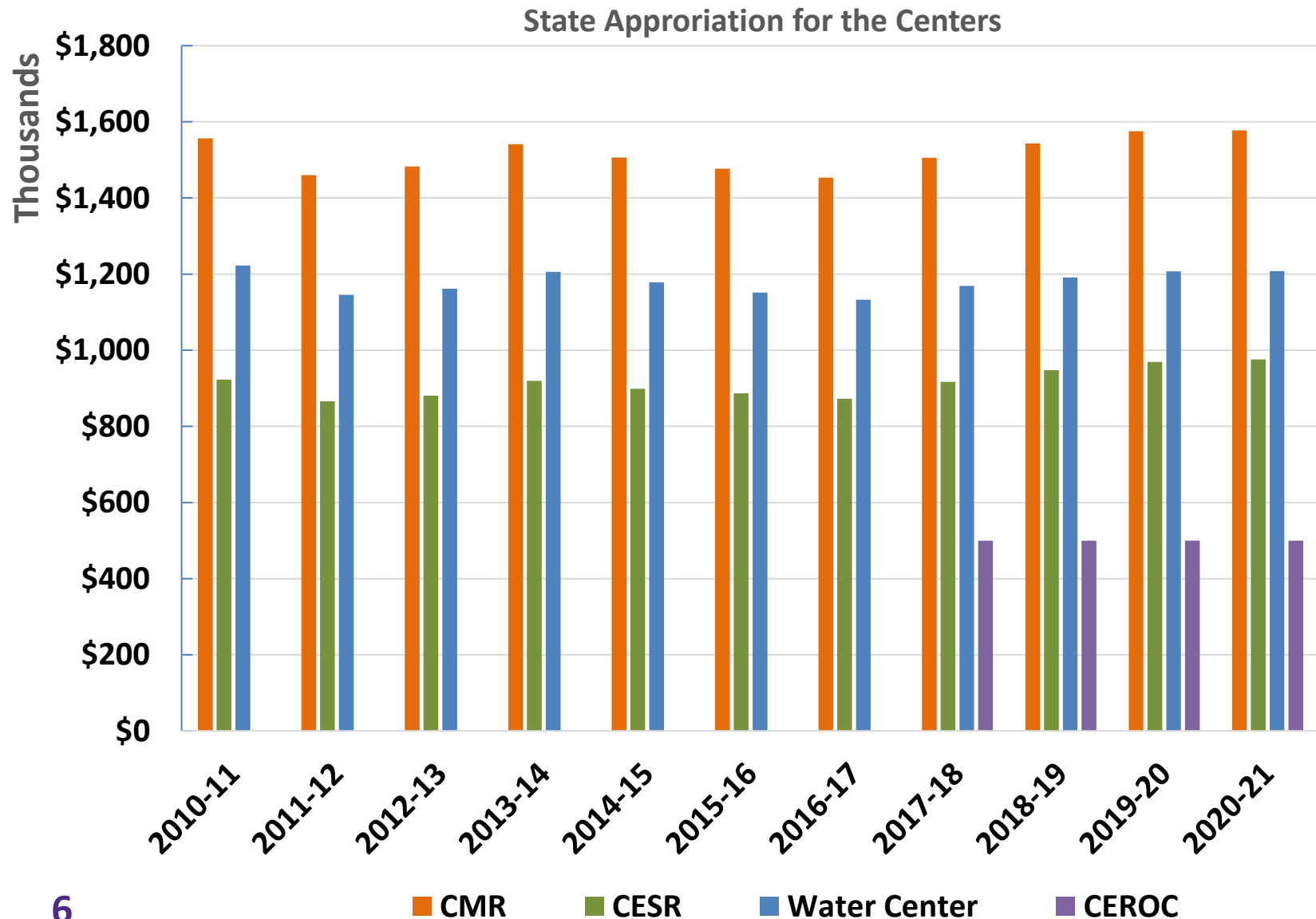
Graduate Program Enrollment

Fall 2020 Enrollment				Spring 2021 Enrollment		
<u>Depart</u> <u>ment</u>	<u>MS</u>	<u>PhD</u>	<u>Total</u>	<u>MS</u>	<u>PhD</u>	<u>Total</u>
CEE	19	5	24	18	4	22
CHE	12	13	25	13	13	26
CS	30	29	59	31	29	60
ECE	16	25	41	16	26	42
ME	30	31	61	30	34	64
Emgt	14		14	10		10
Totals	121	103	224	118	106	224

Research Productivity Trends



Research Centers Funding from the State



Achievements, opportunities

- Research centers operations have been transformed.
 - Directors on 9-month appointment and engaged in the dept.
 - No center faculty, increasing the number of research faculty.
 - Targeted support for research active faculty in their core areas.
- Major grants in the pipeline:
 - Dr. Zhang (CMR/ME), \$6.5M - DoE
 - Dr. Siraj (CEROC, CS), \$4.4M – NSF Cybercorps
 - A number of grants and proposals in the automotive/vehicle area.
- Continuing to hire new faculty, growth in the graduate program, and the new building.
- Funding for research infrastructure improvement being planned.
- New VPR, is looking at changing research support infrastructure, tools, etc.