

## The Barnwell Family Vision

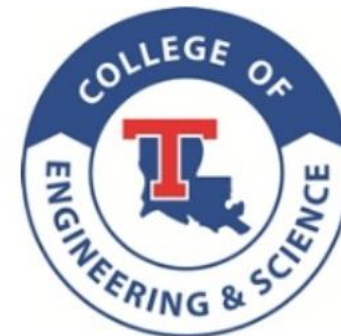
Joseph H. Barnwell served in the Mechanical Engineering Department as a highly regarded member of the faculty from 1941 to 1951 and 1958 to 1975. In 1990 his wife Nena and his children Patricia, Robert, and Jane decided to stop sending each other Christmas gifts and turned their attention to honoring their father's passion for preparing engineering students for the next chapter of their lives. They started funding the special events and awards that encourage the tremendous effort and excellence that you see on display today. They greatly valued the impact that Louisiana Tech and their father promulgated on their lives and continue to live out his vision of excellence by sponsoring this conference, the awards, and the amenities that "ice the cake" of today's exhibition of engineering talent. Well Done!

## Lincoln's Dream Team

In 1862, President Lincoln and Senators Turner of Illinois and Morrill of Vermont spear-headed the expansion of the Land Grant Act to include sponsorship of state schools of higher education to teach engineering. This gave rise also to the proliferation of science, humanities, and the arts in a globally historic economic expansion that continues to this day. In a trend that started after WW II, the states have largely moved away from supporting this enterprise. Sustaining the dream now falls upon the students, families, alumni, and industries that will not let it flame out. In this spirit, the following corporations have promised to return a share of future earnings that will stem from their design projects. We salute these generous visionaries.

- Bandit Busters, LLC, Shreveport
- Kysek, LLC, Hammond

# Barnwell Memorial Mechanical Engineering Senior Design Conference



Department of Mechanical Engineering  
Louisiana Tech University

Integrated Engineering & Science Building

7 May 2021

# Program Schedule

[Click on the link next to the activity you wish to attend]

Activity	Location/Presentation	Time
<b>Welcome</b> - Rotunda -	Dr. Hisham Hegab, Dean College of Engineering and Science	12:30
<b>Safety Session</b> - Room 114 - <a href="#">(Zoom Invite Link S)</a>	Dr. Timothy Reeves - Moderator	12:55
	Recycle Fractionation Platform	1:00
	Thermal Runaway System	1:30
	30 min. Break	2:00
	Poppet Valve Removal System	2:30
	Recycle Primary Platform	3:00
	Potato Trailer Cleanout System	3:30
	Screen Servicing Hoist	4:00
<b>Session Awards</b> <a href="#">(Zoom Invite Link A)</a>	Dr. Henry Cardenas - Room 112 -	5:00
<b>Performance Session</b> - Room 122 - <a href="#">(Zoom Invite Link P)</a>	Dr. Ethan Hilton - Moderator	12:55
	Draw Load Measurement Syst.	1:00
	Print Sleeve Storage Lift	1:30
	30 min. Break	2:00
	Predictive Maintenance System	2:30
	Automated Wire Assembly Jig	3:00
	Active Snack Packaging	3:30
<b>Session Awards</b> <a href="#">(Zoom Invite Link A)</a>	Dr. Henry Cardenas - Room 112 -	5:00

# Program Schedule (Continued)

[Click on the link next to the activity you wish to attend]

Activity	Location/Presentation	Time
<b>Green Session</b> - Room 112 - <a href="#">(Zoom Invite Link G)</a>	Dr. Mikey Swanbom – Moderator	12:55
	Visual Tube Detection System	1:00
	Turbine Fluid Damping Model	1:30
	30 min. Break	2:00
	Crack Arrest Treatment System	2:30
	Billet Center Punch System	3:00
	Multi-Terrain Transporter	3:30
<b>Session Awards</b> <a href="#">(Zoom Invite Link A)</a>	Dr. Henry Cardenas - Room 112 -	5:00

## Many Thanks to our Sponsors!

Organization	Representative
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