



NSF EPSCoR IMPACTS IN ARKANSAS

EPSCoR's Continued Success in Building Infrastructure in Arkansas

With the nearly \$65 million in EPSCoR Track-1 and Track-2 awards the state has received since 2007, EPSCoR researchers have successfully leveraged over \$127 million in additional research funding to Arkansas institutions (right). This includes numerous SBIR grants from multiple federal agencies to commercialize technology developed in EPSCoR-funded labs. Arkansas has also seen a general increase in NSF awards, SBIR awards, and an increase in university-awarded patents over the past five years.

Grant Period	Initial Award (with state match)	Additional Funds Generated
2007-2010	\$ 13,500,000	\$ 15,049,719
2010-2015	\$ 24,000,000	\$ 76,255,721
2014-2017	\$ 3,150,000	\$ 21,687,851
2015-2020	\$ 24,000,000	\$ 14,877,329
Total	\$ 64,650,000	\$ 127,870,620

Cumulative Data on Projects 2010-2019

546 Proposals Submitted

272 Proposals Awarded

\$111M Additional Funds

30 Patents Filed

7+ Startups Created

100+ Honors & Awards

The chart on the right depicts all NSF EPSCoR investments in the state of Arkansas since 1980.

These awards include the EPSCoR Track-1, Track-2, Track-3, and Track-4 programs as well as co-funding for SBIR, STTR, and other NSF programs.

Arkansas NSF EPSCoR is managed by the Arkansas Economic Development Commission Division of Science and Technology.



EPSCoR Direct Funding & Co-Funding in Arkansas, 1980 - 2019		
Arkansas Economic Development Commission	\$	52,249,900
SBIR	\$	3,268,164
STTR	\$	750,000
Fellowship	\$	10,707
Arkansas Baptist College	\$	49,992
Arkansas State University Main Campus	\$	9,233,550
Arkansas State University Mid-South	\$	419,383
Hendrix College	\$	1,105,140
Ouachita Baptist University	\$	500,000
Philander Smith College	\$	1,749,999
University of Arkansas	\$	63,065,872
University of Arkansas at Fort Smith	\$	787,278
University of Arkansas at Monticello	\$	180,000
University of Arkansas at Pine Bluff	\$	2,968,402
University of Arkansas Little Rock	\$	5,529,717
University of Arkansas Medical Sciences	\$	3,734,191
University of Central Arkansas	\$	1,319,636
Grand Total	\$	146,921,931

The Center for Advanced Surface Engineering (CASE)

CASE focuses on material and surface innovations that could impact manufacturing, aerospace and defense, agriculture, forestry, food packaging, oil and gas, and healthcare industries with these goals:

- Reduce costs and environmental impact of manufacturing (energy efficiency, increased durability and performance)
- Control cell growth (specifically neurons) to improve recovery for brain trauma patients
- Design better filters from forestry byproducts that can selectively filter contaminants
- Develop new surface materials with adjustable properties like color or hydrophobicity
- Build the nation's first statewide high performance computing cloud (HPC) (cyberinfrastructure)

CASE is also working to increase the number of nanotechnology and material science course offerings at Arkansas higher ed institutions.



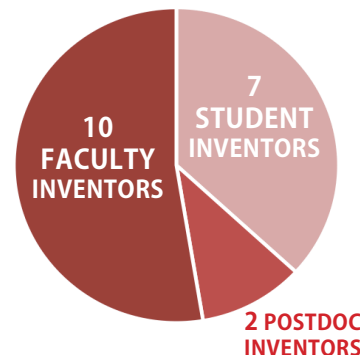
The Center For Advanced Surface Engineering

PROJECT DATA 2015-2019

PUBLICATIONS SUBMITTED: 158

Publication Status	Count
Accepted - Awaiting Publication	5
Published	147
Submitted - Under Review	6
Grand Total	158

PATENTS FILED: 12



PROPOSALS SUBMITTED: 103

Status	Count	Amount Awarded	Amount Requested
Awarded	49	\$ 14,877,329.06	\$ 14,924,136.13
Denied	42	\$ -	\$ 48,349,948.61
Pending	4	\$ -	\$ 1,337,000.00
Submitted	8	\$ -	\$ 8,636,853.00
Grand Total	103	\$ 14,877,329.06	\$ 73,247,937.74