Harvey L. "Les" Barnett

Center for Forensics, Information Technology and Security
School of Computing, University of South Alabama
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PROFESSIONAL PREPARATION

University of South Alabama History, Business, English B.A. 1974

APPOINTMENTS

Director, Center for Forensics, Information Technology, and Security, School of Computing, University of South Alabama, 2011-Present
Elector, Presidential College of Electors, First Congressional District, Alabama, 2008
Commissioner, Alabama Educational Television Commission, 2007- 2023
President & CEO, Omniphone, Inc., 1988-2008

FIVE RELATED PRODUCTS

1. Jeffrey P. Landry, Harvey L. Barnett, Debra L. Chapman, Rosalind McCullough, "Four Strategies for Driving a University Pre-College Computing Outreach Program. Journal of Information Systems Education (JISE), Volume 30 - Issue 1, Winter 2019
2. Barnett, L., Fulton, S., Hufe, M., Pirko, M., Pruitt-Mentle, D., Yasinsac, A. "CISSE K-12 Working Group" report, CISSE K12 Cybersecurity Education Summit, (June 10, 2012). Lake Buena Vista, FL www.cisse.info/archives/category/17-2012
3. Campbell, M., Pardue, H., Longenecker, B., Barnett, L., and Landry, J. (2011) "Treating the Healthcare Workforce Crisis: A Prescription for a Health Informatics Curriculum" Information Systems Education Journal, /volume 10, Issue 3 k
4. Barnett, L., "Public Safety Communications" (2005). Continuing Education Course for Public Safety Professionals. University of South Alabama.
5. Langan, D and Barnett, L., "An On Campus Faculty-Directed Team Project: An Alternative Partnership Model" (April 2003 Society for Engineering Education Southeast Conference, Macon, GA, April 2003
6. Barnett, L., "Comments to the Federal Communications Commission, In the Matter of Operator Service" (June 1996) FCC 96-75 CC Docket NO. 94-158

SELECTED PRODUCTS

1. Barnett, L., "Public Safety Communications" (2005). Continuing Education Course for Public Safety Professionals. University of South Alabama.
2. Les Barnett, Four Foundations for Minority Economic Development, The Economic Development Conference, October 2006
3. Les Barnett, Turning Dreams into Reality Through Entrepreneurship, Business Education Association Annual Convention, April 2003

SYNERGISTIC ACTIVITIES

1. Mr. Barnett has advised K-20 education for over 30 years as an industry expert, encompassing K-12, vocational and university level institutions.
2. As President of Omniphone and Public Sector Technologies, he brought up billing systems for BellSouth, SouthWestern Bell, Ameritech and other PSTN Service Providers,

while providing COOP services for security validation support systems.

3. Mr. Barnett has external funding from the Alabama Innovation Fund, National Science Foundation, Justice Department (administered by the NSF), National Security Agency, Department of Defense, and the Mobile County Commission.
4. Mr. Barnett has a five year Education Collaboration Agreement through his Center (CFITS) with the Aviation Missile Research Development Engineering Center at Redstone Arsenal (renewed through 2022).
5. Mr. Barnett has a five year Education Partnership Agreement through his Center (CFITS) with the National Security Agency (through 2025).
6. Mr. Barnett currently sits on the Industry Advisory Board of Baker, Davidson, Mary G. Montgomery and Vigor High schools.
7. Mr. Barnett also serves on the Alabama Educational Television Commission, the USA School of Computing Industry Advisory Board (chair), the Alabama Forest Owner's Association (past President), NFIB Alabama Leadership Council (past President).
8. Mr. Barnett serves on the Mobile County Republican Executive Committee, and its steering Committee, the Alabama Republican Executive Committee, and its steering Committee, where he was elected as a United States Presidential Elector from Alabama for the 2012 Presidential Election and is the First Congressional District Chairman.
9. Mr. Barnett has served the Mobile County Probate Court as a poll worker for over 20 years, and currently serves as an Inspector.

COLLABORATORS AND OTHER AFFILIATIONS

1. Dr. Cindy Kirk Smith, V.P. Education at Alabama Public Television
2. Dr. William Craig, Director, Software Engineering Directorate, AMRDEC, US Army
3. Capt. Susan K. Cerovsky, Commanding Officer, Center for Information Dominance, US Navy
4. Dr. Alec Yasinsac, University of South Alabama
5. Dr. Harold Pardue, University of South Alabama
6. Dr. Todd McDonald, University of South Alabama
7. Dr. Todd Andel, University of south Alabama
8. Dr. David Langan, University of South Alabama
9. Dr. Jeff Landry, University of South Alabama
10. Dr. Brad Glisson, Sam Houston University
11. Dr. Debra Chapman, Graduate Director, University of South Alabama

Outside Funding

B.1 Research Grants and Awards

1. J.T. McDonald, T.R. Andel, R.G. Bace, H.L. Barnett, Capacity Building for Information Assurance and Cyber Security, NSF, DGE-1303384, Sep 2014 – Aug 2017: $322,410

2. J.T. McDonald, T.R. Andel, H.L. Barnett, II-NEW: RUI: Expanding Cyber Assurance Research and Education, NSF, CNS-1305369 Oct 2013 – Sep 2015: $476,017 3. J.T. McDonald, T.R. Andel, A. Clark, H.L. Barnett, "Scholarship for Service in Information Assurance," NSF, DUE-1241675, Jan 2013 – Dec 2017: $2,407,693

3. J.T. McDonald, T.R. Andel, A. Clark, H.L. Barnett, "Scholarship for Service in Information Assurance," NSF, DUE-1241675, Jan 2013 – Dec 2017: $2,407,693

Appendix 2: CURRENT AND PENDING SUPPORT

Investigator: Harvey Barnett	Other agencies (including NSF) to which this proposal has been/will be NSF

Support: ☒ Current ☐ Pending
Project/Proposal Title: Renewal for USA Cyber Scholars Program

Source of Support: National Science Foundation
Total Award Amount: $: $4,097,801.00 Total Award Period Covered: 1 Oct 2016 - 31 Sep 2021
Location of Project: University of South Alabama (Mobile, AL)
Person-Months Per Year Committed to the Project. Cal: 1.0 Acad: Sumr.

Support: ☒ Current ☐ Pending
Project/Proposal Title: Phase I IUCRC University of South Alabama: Center for Advanced Research in Forensic Science

Source of Support: National Science Foundation
Total Award Amount: $749,839 Total Award Period Covered: 15 July 2016 - 30 June 2021
Location of Project: University of South Alabama (Mobile, AL)
Person-Months Per Year Committed to the Project. Cal: 3 Acad: Sumr:

Support: ☒ Current ☐ Pending
Project/Proposal Title: Rapid Sustainability Using Learning Technologies

Source of Support: Department of the Interior
Total Award Amount: $7,171,606 Total Award Period Covered: 1 Jan. 2019 – 31 Dec. 2020
Location of Project: University of South Alabama (Mobile, AL)
Person-Months Per Year Committed to the Project. Cal: 6 Acad: Sumr:

Support: ☒ Current ☐ Pending
Project/Proposal Title: AM/NS Calvert, LLC

Source of Support: Industry
Total Award Amount: $168,925 Total Award Period Covered: 15 Aug. 2019 – 14 Aug.2020
Location of Project: University of South Alabama (Mobile, AL)
Person-Months Per Year Committed to the Project. Cal: .8 Acad: Sumr:

Support: ☒ Current ☐ Pending
Project/Proposal Title: Visual Analytics DESE

Source of Support: DESE (Department of Defense)

Total Award Amount: $96,317 Total Award Period Covered: 3 June 2020 -2 June 2021
Location of Project: University of South Alabama (Mobile, AL)
Person-Months Per Year Committed to the Project. Cal: .6 Acad: Sumr:

NSF Form 1239 (10/99)

Appendix 2: CURRENT AND PENDING SUPPORT

Investigator: Harvey Barnett	Other agencies (including NSF) to which this proposal has been/will be NSF

Support: ☒ Current ☐ Pending
Project/Proposal Title: NFina Firewall

Source of Support: NFina Technologies
Total Award Amount: $: 115,249 Total Award Period Covered: 1 Jan. 2020 – 31 Dec. 2020
Location of Project: University of South Alabama (Mobile, AL)
Person-Months Per Year Committed to the Project. Cal: .5 Acad: Sumr.

Support: ☒ Current ☐ Pending
Project/Proposal Title: Ingalls Shipbuilding

Source of Support: Industry
Total Award Amount: $116,808 Total Award Period Covered: 3 Sept. 2019 – 2 Sept. 2020
Location of Project: University of South Alabama (Mobile, AL)
Person-Months Per Year Committed to the Project. Cal: 1.0 Acad: Sumr:

Support: ☐ Current ☐ Pending
Project/Proposal Title:

Source of Support:
Total Award Amount: $ Total Award Period Covered:
Location of Project:
Person-Months Per Year Committed to the Project. Cal: Acad: Sumr:

Support: ☐ Current ☐ Pending
Project/Proposal Title:

Source of Support:
Total Award Amount: $ Total Award Period Covered:
Location of Project:
Person-Months Per Year Committed to the Project. Cal: Acad: Sumr:

Support: ☐ Current ☐ Pending
Project/Proposal Title:

Source of Support:
Total Award Amount: $ Total Award Period Covered:

Location of Project:			
Person-Months Per Year Committed to the Project.	Cal:	Acad:	Sumr:

Professional Accomplishments as CFITS Director – Harvey "Les" Barnett

- USA-CFITS Partner School Program: The USA-CFITS Partner School Program is currently offered to schools around the Mobile, Alabama area and focuses on three modes of delivery: Hands-On Learning Lab Activities (HOLLAs), summer camps, and guest speakers from industry. Les developed the Partner School Program by leveraging seed funding obtained from the Alabama Innovation Fund that was established as an outcome of Alabama's Science and Technology Plan. Currently, funding is also provided by NSF and NSA. The program has created, collected, and delivered hundreds of interventions to enhance cyber-focused STEM learning in K-12. The Partner School Program addresses student access and success in allowing early computing experiences for area students. In addition, Les has focused on exemplary community engagement outreach through relationships built with our industry partners.

- USA-CFITS Managed Intern program: Because of Les' efforts with industry outreach over the past nine years, the School of Computing presently has won contracts with AM/NS Calvert, Pilot Catastrophe, Continental Motors, Nfina, Ingalls Shipbuilding, that employ 30-35 student workers/interns from the School of Computing with contracts of nearly $900,000 per year.

- USA-CFITS Internship program: Les Barnett has worked collaboratively with faculty for industry outreach and community engagement through CFITS to increase our partnerships with industry in order to provide practicums to our computing students, working mostly at the customer site. These student workers/interns gain not only work experience, but workplace experience as well. We currently have 40-50 student slots under contract with these industry partners due to Les' efforts.

- USA-CFITS Research program: Les Barnett was hired initially to improve our outside funding, with a focus on NSF support. When he started, the School of Computing had less than $10,000 in active NSF grants. Working mainly with the Dean, Les analyzed our past efforts, and put together an action plan to both improve the grant applications themselves, and also improve the attractiveness of the School of Computing in particular, to the NSF evaluators. As a result, the School of Computing now operates on over 10 million dollars in active NSF grants, the largest NSF total of any college on campus in 2017, including three MRI grants that have equipped our research labs with state of the art equipment. Les' vision for enhancing research opportunities has allowed the School of Computing and USA to be recognized on a national level.

- USA-CFITS IUCRC Research program: Les Barnett was asked to investigate and after that engaged to expedite the University's ability to obtain a five year IUCRC research grant from the NSF. In July 2017, the School of Computing was awarded a five year $750,000 grant to fund a full IUCRC site in a new NSF Center of Advanced Research in Forensic Sciences, CARFS. The USA SoC site, one of only two, has the focus of Digital Forensics. Currently the site enjoys additional industry funding from CCDC A&MC, Airbus, Cisco Systems, Enveloc, and SSI. In DoD related work, we now enjoy contracts and sub-contracts of several million dollars.