



ALABAMA CYBER RESEARCH CONSORTIUM (ALCRC) MEMORANDUM OF UNDERSTANDING

The rapidly increasing complexity of technology requirements and critical infrastructure in cyber security has created a void in the development of information transfer, storage and security solutions across Alabama and the nation. Additionally, the number of cyber-based threats and attacks affecting government, industry and the citizens of Alabama are increasing at an exponential rate. As the major research universities in Alabama concerned with the urgent need to leverage their research expertise for the development of resources, capabilities, and technology related to the establishment and operation of critical cyber facilities and the development of timely solutions, Alabama A&M University, Auburn University, the University of Alabama at Birmingham, the University of Alabama in Huntsville, the University of Alabama, Tuskegee University and the University of South Alabama agree to partner, collaborate and manage programs and projects that address these urgent requirements. Over time, the collaboration will expand its collective portfolio(s) of counter-cyber analytic capabilities to include the full spectrum of human, geospatial, signals, signatures and measurements intelligence analytical disciplines. These efforts will also focus on opportunities that support and promote economic and workforce development for the state, region and nation.

Therefore, this Agreement is made among Alabama A&M University, Auburn University, the University of Alabama at Birmingham, the University of Alabama in Huntsville, the University of Alabama, Tuskegee University and the University of South Alabama. The purpose of this Agreement is to foster cooperation and link the programs of the named institutions to pursue collaboration opportunities relating to education, research and outreach to include, but not limited to, the following areas of expertise and knowledge:

1. Cyber Education and Training for Economic and Workforce Development
2. Cyber Systems and Emerging Technologies
3. Cyber and Computer Forensics
4. Cyber Security Standards
5. Cyber Technology and Security- including materials science and nanotechnology
6. Fusion of Open Source Intelligence and Analysis across Human, Geospatial, Signals, Signatures and Measurements analytical disciplines
7. Critical Infrastructure Protection
8. Knowledge Discovery and Data Mining
9. Natural Language Processing
10. Criminal Justice and Criminology- including prosecution and analysis of cybercriminal intent and operation

Collaboration will focus primarily on bringing analysis, technology and solutions to address current attacks and emerging threats to critical infrastructure, commerce and security, including financial systems, utilities, telecommunications, food systems, transportation, healthcare, and health sciences.

To the extent feasible, collaboration programs will take advantage of existing research facilities and capabilities at each university. Extramural proposals will leverage the assets of local, state and federal entities located in proximity to the universities.



The named institutions will promote cooperation in identifying funding opportunities for programs and projects through various channels, including Federal and State Governmental Agencies, commercial enterprises and philanthropic foundations. Each university will solicit appropriate faculty/staff members, based upon their areas of expertise and interest. The consortium seeks to establish a forum to share ideas among like-minded scientists and a platform to launch joint proposals that leverage the expertise among Alabama's cyber researchers. The parties will address how to seek appropriate protection of any intellectual property arising out of the collaboration as and when such intellectual property arises. Institutions will execute appropriate Non-disclosure Agreement(s) to cover confidential information specific to this Agreement on an as needed basis.

An Executive Committee will be established for the purpose of coordinating and administering the overall deliberations and programs associated with the Consortium. The Executive Committee will be a seven-member body comprised of a single appropriate level administrator designated by each member institution to serve in this capacity. Following establishment of the Executive Committee, it will select a chairperson and vice chairperson with the responsibility of calling and scheduling meetings of the Consortium as required. Additionally, each member institution will designate a single Point of Contact (POC) responsible for coordinating communication within and external to the ALCRC. It is intended that the POC be in addition to the Executive Committee member; however, a member institution may choose to have a single individual serve both as the member of the Executive Committee and the POC.

This Agreement shall not constitute, create, give effect to or otherwise imply a joint venture, partnership or formal business organization of any kind between institutions. Each university shall act as an independent contractor and not as an agent for the other, and none of the institutions shall have any authority to bind the other. In addition, this Agreement will not prevent each of the parties from pursuing its own opportunities regarding research in this technology arena.

The effective period of this Agreement is five (5) years from the date of last signature of this Agreement. During this period, any party has the right to terminate this Agreement in part or in total by giving the other Parties written notice of its intent to terminate at ninety (90) days prior to the effective date of termination.

Any dispute arising from or relating to this Agreement which cannot be resolved by good faith discussion and negotiation between the Parties shall be resolved through non-binding mediation.

This instrument contains the entire Agreement between Parties. The term and conditions set forth in this Agreement are subject to amendment by the written agreement of the Parties.

Signatures are on the following page.



ALABAMA A&M UNIVERSITY

[Signature]

Interim Dean and Research Director

Date: 7/16/13

AUBURN UNIVERSITY

[Signature]

John M. Mason
Associate Provost and Vice President for
Research

Date: 7/16/2013

THE UNIVERSITY OF ALABAMA at Birmingham

[Signature]

Vice President for Research and Economic Development

Date: 7/16/13

THE UNIVERSITY OF ALABAMA in
HUNTSVILLE

[Signature]

Vice President for Research

Date: 7/16/13

THE UNIVERSITY OF ALABAMA

[Signature]

Vice President for Research

Date: 7/16/13

TUSKEGEE UNIVERSITY

[Signature]

Vice President for Research and
Sponsored Programs

Date: 7/16/13

UNIVERSITY OF SOUTH ALABAMA

[Signature]

Vice President for Research and Economic Development

Date: 7/16/13