



# AZSecure-data.org

## Autumn Newsletter

### *Data Infrastructure Buildings Blocks for Intelligence and Security Informatics (DIBBs for ISI)*

Satisfy funder mandates for research data sharing by hosting data on [azsecure-data.org](http://azsecure-data.org). Funders such as the National Science Foundation (USA), the European Research Council (EU), and Research Councils UK, as well as many others require sharing of research data whenever possible with as few restrictions as possible. Data curators agree that domain specific research data repositories are preferable to individual data sharing efforts. Institutional repositories also prefer that research data be deposited with a domain repository rather than the institutional repository if a domain repository exists.

Many journals also require data sharing as a condition for publication. Easily accessible research data facilitates new research, reproducibility, and replicability.

[azsecure-data.org](http://azsecure-data.org) is the domain repository for Intelligence and Security Informatics research data.

AZSecure Data accepts legacy and recent datasets from the Intelligence and Security Informatics domain. You can recommend or submit a dataset at any time. If your dataset is complete, but your research is not yet published, the repository will work with you to establish an embargo period so that your data will not be available until you want it to be.

To include your data in the ISI domain repository, please contact us at [ailab@eller.arizona.edu](mailto:ailab@eller.arizona.edu)

### *Tools*

In addition to data, AZSecure Data hosts [tools and tutorials](#) specific to the needs of the ISI community. The University of Texas at Dallas recently contributed malware detection source code from Dr. Thuraisingham's research team's work on a malware detection framework using the malware and network traffic datasets available at AZSecure Data.

Tutorials are of great utility to students and others learning how to perform research functions. AZSecure Data is an excellent place to share tools and tutorials with the research community. Sharing source code is an excellent way to make your research methods transparent and facilitate research advancement. If you have any tools or tutorials to contribute to the community, please contact us at [ailab@eller.email.com](mailto:ailab@eller.email.com).



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## ***Upcoming Improvements to AZSecure Data***

A digital repository addresses accessibility, discoverability, and long-term availability of its contents. AZSecure Data is in the process of migrating to the DSpace platform to address these issues. DSpace was developed by MIT as a free, open source archival platform. It has wide adoption among digital repositories, archives and universities, an active user community, and a strong development and sustainability plan. OAI-PMH indexing by search engines and research indexes as well as internal search and browse features improve resource discoverability. File type/size flexibility and embargo periods make it ideal for research datasets and tools while PURLs, alt metrics, and subscription/update features make it desirable to researchers.

## ***ISI Events, Calls for Papers, and Job Announcements***

The **IEEE ICDM Workshop** on Intelligence and Security Informatics 2017 (ISI-ICDM 2017) will be held on **Nov 18** in New Orleans. Details can be found at <http://cci.drexel.edu/isi/isi-icdm2017/>. This year's ICDM Challenge pushes participants to develop novel computational techniques and algorithms using data hosted at azsecure-data.org. We look forward to seeing your results!

**HICSS Symposium on Cybersecurity Big Data Analytics** – Paper submissions for this symposium are due **October 27th**. Papers will be published in a special issue of Security Informatics (Springer). For more information, visit [www.azsecure-hicss.org](http://www.azsecure-hicss.org). We hope to see you in Hawaii!

The **University of Arizona** Management Information Systems Department is recruiting for a **tenure track Assistant Professor/Associate Professor** in the area of cybersecurity for the 2018/2019 academic year. See more: <https://uacareers.com/postings/14678>

## ***About the Project***

With funding from the National Science Foundation, this Data Infrastructure Building Blocks for Intelligence and Security Informatics ("DIBBs for ISI") project is developing a research infrastructure for use by ISI scientists, students, and others studying a wide range of cyber- and security-related issues, whether in the computer, information, or social sciences. The project repository, AZSecure-data, provides researchers and students with free access to a wide variety of relevant data sets. This material is based upon work supported by the National Science Foundation Grant No. ACI-1443019.

## ***Follow Us!***

This newsletter is quarterly, but if you desire more frequent updates on ISI related topics, take a look at Intelligence and Security Informatics on [LinkedIn](#), [Facebook](#), and [Twitter](#). If you missed a newsletter, you can always [read them on the portal](#).

## ***Interested in learning more?***

Join our Intelligence and Security Informatics Group on [LinkedIn](#), [Facebook](#), and [Twitter](#).

## ***Do you have data to share?***

We can help! Send an inquiry to [ailab@email.arizona.edu](mailto:ailab@email.arizona.edu). If you know someone privately hosting or looking to host research data, send them our way!

## ***Tell Us Your Data Story!***

Data stories help convey the importance of making sharable data easy to locate and reuse. Tell us your story about working with the datasets we host: which dataset(s) you used and how you used them, what you were investigating, and what you found out.

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