



Center for Education and Research
in Information Assurance and Security

Roles in CERIAS

Introduction

CERIAS was established as a Purdue University academic research center on May 7, 1998. It is structured as a cross-disciplinary research center, charged with:

- assisting Purdue faculty with their research efforts in IAS
- serving as a “fair broker”/point of contact for entities internal and external to Purdue
- centralizing and optimizing access to common resources
- providing a unified, enhanced image of the research area at Purdue
- enhancing the discovery, learning and engagement missions of Purdue in the area of IAS

IAS in the above refers to “information assurance and security” and also includes issues in privacy, cyber crime, cyber warfare, and other related areas. It is explicitly multidisciplinary in scope and intent.

CERIAS depends on its members to succeed in these efforts. Although there is a small staff to provide administrative support, it is the faculty and students who make up the center, and who are in the position to receive the benefits. The more that faculty contribute to the mission of the center, the greater the success of CERIAS. With greater success, CERIAS can share more resources and further enhance the success of its members.

Because the participation of members is so important, this document describes the forms of membership in CERIAS, and the corresponding forms of participation expected, along with associated benefits.

Note: benefits listed here are on a resources-available basis. New benefits may be added as circumstances permit.

CERIAS enjoys an excellent international reputation as a center of excellence in research, education, and public service in cyber security and privacy. The name has significant recognition, and association with CERIAS provides individuals with extra credibility when dealing with outside entities. CERIAS also has a reputation for providing outstanding graduates, and for actually delivering value in return for grant, contract and gift support. As such, association with CERIAS provides faculty and students with a competitive advantage; it is to their benefit to associate with CERIAS, and to continue to add to its positive image.

Members

There are four general roles for people involved with CERIAS: students, faculty, alumni, and friends. Each class is described further, below. Staff employed by the center do not qualify for any of these categories while still employed by CERIAS.

Faculty

Full and part-time faculty (including active emeriti) at Purdue University (all campuses) may seek to be associated with CERIAS. This is done by submitting a request to the CERIAS office along with a brief biographical statement including a statement of interests. Membership is designated by the Executive Director.

Faculty who cease to be sufficiently involved in CERIAS, or who fail to contribute in a positive manner, may have their membership terminated.

Retired faculty would be classed as “alumni.” Visiting faculty would qualify as “friends” of CERIAS.

CERIAS programs and staff will interact with any faculty interested in CERIAS programs, whether they are formally members or not. However, specific benefits, as described below, are only extended to active members, and active members receive priority access to all services and activities.

Faculty membership is in one of two categories: Fellow and Associate.

CERIAS Associate

New faculty members of CERIAS, regardless of rank, begin as “CERIAS Associate.” This is done by submitting a request to the CERIAS office along with a brief biographical statement including a statement of interests. Membership is designated by the Executive Director.

Expectations

Associate faculty members are expected to:

- Respond to requests for information about their research and publications, including keeping their CERIAS biographies up-to-date, listing their IAS publications in the CERIAS bibliography in a timely fashion, providing CERIAS with up-to-date abstracts of current projects, and ensuring that their students and post-docs are likewise involved with CERIAS.
- Prominently list CERIAS on any Purdue IAS project and lab WWW pages they sponsor or maintain.
- Display CERIAS signage in any IAS laboratory they supervise.
- Indicate CERIAS as an affiliation (in place of or in addition to home department) on IAS papers they author, on presentations they make, and on any IAS-related publications.
- List CERIAS as an associated center, when appropriate, on the proposal transmittal check sheets when submitting funding proposals.
- Materially participate in the annual security symposium, and in any other all-center events.
- Participate in other CERIAS activities (e.g., planning meetings, interdisciplinary degree program, etc.) as appropriate and requested
- Assist CERIAS staff in recruiting new corporate sponsors.

Benefits

Active associates may receive the following:

- Access to CERIAS shared facilities (labs, library, etc) at no charge, when available.
- Access to CERIAS online accounts (cerias.purdue.edu and cerias.net).
- Ability to request initiation and bridge funding from CERIAS for IAS projects, when available.
- Ability to negotiate use of CERIAS resources and staff in projects and proposals.
- Ability to request CERIAS staff assistance in event planning.
- Ability to call on CERIAS staff to assist in engagement with industry and government.
- Promotion in CERIAS media, talks and on-line resources.
- Ability to distribute research products via CERIAS outlets.
- CERIAS imprinted business cards.
- Selected CERIAS logo items.
- Promotion of research and education efforts to CERIAS partners.

CERIAS Fellow

Faculty Associates may apply to be named as CERIAS Fellows after a minimum of three years as a CERIAS Associate in good standing. This application should include reasonable documentation of how the applicant has fulfilled the

expectations of a CERIAS Associate. Furthermore, faculty seeking Fellow status are expected to have a continuing record of senior leadership in the Center. This includes (but is not limited to) organizing CERIAS events, helping to secure funding for Center activities and personnel, encouraging student participation in CERIAS, designing and offering security and privacy-related courses, and similar.

CERIAS senior administration, augmented with a selection of existing CERIAS Fellows, will evaluate applications once a year, usually in the spring. Positive decisions take effect immediately; negative decisions cannot be resubmitted for one year. Existing Fellow status will be re-evaluated every other year.

Winners of CERIAS Pillar Awards, and any faculty serving satisfactorily in administrative roles (e.g., with “Director” in their title) in the center for a period of not less than two calendar years will automatically become Fellows.

Expectations

CERIAS Fellows will:

- Respond to requests for CERIAS-related information in a timely fashion
- Proactively supply information, including keeping their CERIAS biographies up-to-date, listing their IAS publications in the CERIAS bibliography in a timely fashion, providing CERIAS with up-to-date abstracts of current projects, and ensuring that their students and post-docs are likewise involved with CERIAS.
- Encourage participation by other faculty with CERIAS.
- Prominently list CERIAS on any IAS project and lab Purdue WWW pages they sponsor or maintain.
- Display CERIAS signage in any IAS laboratory they supervise.
- Indicate CERIAS as an affiliation (in place of or in addition to home department) on IAS papers they author, on presentations they make, and on any IAS-related publications.
- List CERIAS as an associated center, when appropriate, on the proposal transmittal check sheets when submitting funding proposals.
- Materially participate in the annual security symposium, and in any other all-center events.
- Participate in other CERIAS activities (e.g., the IAB, interdisciplinary degree program, etc.) as appropriate and requested.
- Actively assist CERIAS staff in recruiting new corporate sponsors.
- Assist in planning and execution of CERIAS activities, including the security seminar.
- Exercise a senior leadership role in support of CERIAS.

Benefits

Active Fellows will receive the following:

- All benefits accorded to faculty Associate Members, but with priority consideration, where appropriate.
- Ability to have senior students considered for office space at CERIAS.
- Ability to have visitors considered for office space at CERIAS.
- Selected CERIAS logo items, including a special CERIAS pin and/or certificate, challenge coin/medallion, possibly other items.
- Featured mention in CERIAS publications and on-line presence.

Students

Students associated with CERIAS based on their participation in a research project supervised by a CERIAS-affiliated faculty or staff member, or by participation in an educational program associated with CERIAS (e.g., the interdisciplinary graduate program). A CERIAS faculty member must designate students to be included in the official roster of CERIAS

students; additionally, the Executive Director may so designate a student. Undergraduate or graduate students may be involved.

Expectations

Student members are expected to:

- Respond to requests for information about their research and publications.
- Indicate CERIAS as an affiliation (in place of or in addition to home department) on IAS papers they author, on presentations they make, and on any IAS-related publications.
- Materially participate in the annual security symposium, and in any other all-center events.
- When practical, register for and attend the CERIAS security seminar.
- Participate in other CERIAS activities as appropriate and requested.
- Behave according to highest academic and professional standards.
- Promote CERIAS in a positive manner.

Benefits

Active students may receive the following:

- Access to CERIAS library holdings.
- Access to a CERIAS online account (cerias.purdue.edu and/or cerias.net).
- Ability to request use of CERIAS lab facilities.
- Ability to participate in CERIAS placement services for jobs and internships.
- Ability to be considered for office space at CERIAS.
- Ability to be considered for trip support from CERIAS funds, based on current policy.
- Selected CERIAS logo items.

Alumni

Alumni consists of all students who were actively involved in CERIAS prior to graduation according to the above, or students who were similarly involved in the COAST laboratory before the establishment of CERIAS.

Expectations

Alumni are expected to:

- Participate in CERIAS activities as appropriate and able.
- Behave according to highest academic and professional standards.
- Promote CERIAS in a positive manner.
- When feasible, assist CERIAS personnel seeking support for CERIAS.
- Collaborate with current CERIAS faculty, staff and students when appropriate.

Benefits

Active alumni may receive the following:

- On-site access to CERIAS library holdings.
- A permanent CERIAS email forwarding account (cerias.net).
- Notice of CERIAS activities.
- Ability to participate in CERIAS placement services.
- Discount for selected CERIAS activities.
- Selected publicity in CERIAS venues about their accomplishments and activities.

- Selected CERIAS logo items.

Friends

Friends are those people outside Purdue who support and promote CERIAS. This includes (but is not limited to) former faculty, former sponsor representatives, former staff, professional colleagues of CERIAS faculty and staff, visitors and post-docs. CERIAS friends are designated by CERIAS management based on faculty and staff nomination.

Expectations

Friends are expected to:

- Participate in CERIAS activities as appropriate and able
- Behave according to highest academic and professional standards
- Promote CERIAS in a positive manner

Benefits

Active friends may receive the following:

- On-site access to CERIAS library holdings.
- A permanent CERIAS email forwarding account (cerias.net).
- Notice of CERIAS activities.
- Discount for selected CERIAS activities.
- Selected CERIAS logo items.