

## GENI Experimenter's Code of Ethics

Commitment to ethical professional conduct is expected of every researcher using the GENI infrastructure. All GENI participants, whether using the infrastructure for research, education, or contributing to the infrastructure development, prototyping or operations, must agree to the following guidelines:

1. Avoid conducting experiments that are harmful to other GENI participants, the GENI infrastructure, or the Internet.

Experiments with negative consequences are those intended or understood to cause loss of availability, loss of data, or destruction or modification of GENI software, hardware, or networks. Illegal activities also are harmful to GENI participants. Additionally, these experiments result in unnecessary expenditure of researcher and operator effort to determine the cause of problems and to restore the system to its proper operational state.

2. Coordinate security experiments in advance with GENI operators.

Security experiments often rely upon simulated or actual attacks against enforcement mechanisms including authentication, access control, or intrusion detection systems. Because these attacks may be detected and accidentally trigger false alarms; or in the worst case, be misdirected against operational GENI infrastructure, operators of the selected aggregates, networks, control frameworks and/or GMOC must be contacted **prior** to execution.

3. Respect the privacy and confidentiality of other GENI participants and users.

Experiment artifacts, including source code, binaries, and data stored or transmitted on GENI belong to the researchers or end-users who created them. Others should not access these artifacts until explicitly released for use.

4. Access GENI resources and services only when authorized.

Different researchers may be granted access to various parts of the GENI infrastructure, or to standard or experimental GENI services. All access to GENI resources should be through interfaces and services provided for this purpose, including GENI standard mechanisms and control framework or aggregate specific extensions or alternatives. Bypassing access controls or escalating privilege without the knowledge and consent of the operators is never permitted. Authorizing parties, operators, principal investigators and others are responsible for granting the appropriate authorizations to researchers to enable them to conduct their experiments.

Failure to follow this code will result in loss of access to GENI resources.