Two New IEEE Awards for Cybersecurity

Names of the Awards:
1. The IEEE Cybersecurity Award for Practice
2. The IEEE Cybersecurity Award for Innovation

Description of the Awards:
The IEEE Cybersecurity Awards for Practice/Innovation are intended to recognize individuals who are generating transformative cybersecurity capabilities and concepts. They will be awarded for:
- Game-changing ideas that have substantially advanced, or have the potential to substantially advance, the practice of cybersecurity.
- Approaches for designing or building novel cybersecurity systems whose impact can be quantified in terms of cost, time, and/or effectiveness.
- Sustained leadership in cybersecurity research, policy, education, and/or enabling of best practices in implementation or engineering.
- Work accelerating tech transfer of cybersecurity products, toward the enabling of cost-aware, secure solutions.

The awards are sponsored by the IEEE Cybersecurity Initiative, and will be associated with the IEEE SecDec conference. They will be awarded annually for the best practical/theoretical advances in cybersecurity. In recognition of the fact that judging importance sometimes requires a few years, results need not have been initially described in the year of the award. The awards are open to anyone regardless of IEEE membership status but may be of particular interest to members of the following IEEE Societies and Knowledge Groups: The Computer Society, the Communications Society, the Consumer Electronics Society, The Engineering in Medicine and Biology Society, the Power and Energy Society, the Robotics and Automation Society, and the Systems, Man and Cybernetics Society

Administration:
The IEEE Cybersecurity Award Selection Committee will administer the awards and will recommend a pair of recipients. The eligibility and selection process will comply with procedures and regulations established in the IEEE Society governing documents, particularly with IEEE Policies Section 4.4 - Limitations of Awards.

Eligibility and Selection Criteria:
The IEEE Cybersecurity Awards are intended for individuals, but may also be awarded to a team of no more than five people for collaborative work.

Criteria for the awards shall include: impact on the cybersecurity profession and/or society, significant technical or other contributions, leadership in accomplishing worthwhile goal(s), and other achievements as evidenced by publications, patents, or other evidence.

Recipients of the awards must either attend the associated conference or send someone to accept the award on their behalf. In either case, a short presentation highlighting the recipient's work is expected.

The IEEE Cybersecurity Award for Practice will be awarded annually for a significant practical advancement in cybersecurity. Nominators must describe a specific cybersecurity practice advanced by the nominee(s), and address the following points:

- What cybersecurity issue does this practice help resolve, and why is solving this problem important?

- Describe the implementation of the practice. How did its implementation lead to concrete improvements in the domain in which it was deployed?

- Describe why the practice has led to, or could lead to, transformative impact in the cybersecurity discipline.

- Brief biographies and/or summaries of other notable work by the nominee(s).

Nominations may not exceed 1000 words. In addition, nominators may optionally include a single document authored by the nominee(s) (e.g., a whitepaper or peer-reviewed publication) to provide additional details.

The IEEE Cyber Security Award for Innovation will be awarded annually for a significant theoretical advancement in cybersecurity. Nominators must describe a specific cybersecurity innovation advanced by the nominee(s), and address the following points:

- What cybersecurity issue does the innovation address, and why is solving this problem important?

- How does the innovation compare to prior work addressing similar problems? In what way is the innovation truly a breakthrough result?

- Explain how the innovation could potentially lead to transformative impact in the cybersecurity discipline.

Nominations may not exceed 1000 words. In addition, nominators must include a single, peer-reviewed publication authored by the nominee(s) and clearly indicating the publication venue that describes the innovation.

IEEE Cybersecurity Award Selection Committee and Basis for Judging:
Members of the IEEE Cybersecurity Award Selection Committee will review nominations and select awardees based on the submitted nominations as well as their own personal knowledge. Voting will be under the leadership of the Selection Committee Chair, and the outcome will be based on the majority consensus. The Selection Committee may choose not to select an awardee because of a lack of suitable nominees.

Prize Items:
The recipient(s) will receive a cash prize and a plaque commemorating their award.
In the event that a team or multiple recipients are selected, the cash prize will be equally divided among the recipients. Each recipient will receive a plaque.

The MITRE Corporation has offered to support these awards for the first two years of its existence. At a future time, some other corporation may choose to support the award, should MITRE elect not to continue such support.

Nominations:
Nominations will be solicited in the usual manner employed by the IEEE Awards Board including, but not limited to, a call for nominations in the IEEE's global newspaper, The Institute. Any person may nominate a candidate for these awards, with the following exceptions: members of the IEEE Board of Directors, members of the IEEE Awards Board, members of the IEEE Medals Council, members of the IEEE Cybersecurity selection committee, and IEEE Staff. Self-nominations are not permitted.

An announcement for the following year's award will be made each year at the associated conference.

Schedule:
Nominations for the IEEE Cybersecurity Awards will be according to the following schedule: Nominations will be April 1 each year. The Selection Committee will review nominations and make their recommendations by June 1. Recipient will then be notified, and the Selection Committee will verify that the recipient or their representative will be able to attend the associated conference. Award recipients will be publically announced shortly thereafter.

In the first year, nominations will be accepted until 1 August, and the selection committee will review nominations and a decision will be made by 15 August.

Composition:
The Award Selection Committee will consist of a Chair, a Vice Chair, and four additional members. Members are to be appointed by the steering committee members of the associated conference, and the prior Chair and Vice Chair of the Award Selection Committee. Each year the outgoing Chair and Vice Chair nominate their replacements to the steering committee, who can accept their nomination or select alternatives.

Terms of Service:

The members of the IEEE Award Selection Committee shall be appointed or reappointed annually for the calendar year. The Chair and Vice Chair are eligible for reappointment for one additional year, but normally would not serve in those capacities for more than two consecutive years. Members are eligible for appointment for three consecutive one-year terms. Individuals may return to serve on the Award Selection Committee after at least one year of inactivity.

Vacancies:
Should a vacancy occur in the Chair or Vice Chair position, the associated conference steering committee will fill the vacancy.

ADDITIONAL INFORMATION

IEEE Cybersecurity Award Publicity Plan:

The publicity plan consists of three phases identified below.

Phase 1: Call for Nominations: The annual call for nominations is published in the IEEE's global newspaper, The Institute, which is distributed to the more than 400,000 members of the IEEE. In addition, the call for nominations is placed on the IEEE web site at www.ieee.org/awards. The sponsor will also promote the call for nominations through social media and other online notices.

Phase 2: Announcement of Award Recipient: Articles describing the award recipient will be published in IEEE publications such as *The Institute*. Information also will be provided on the IEEE web site as well as in IEEE newsletters. The announcement of the Award recipient in IEEE Technical Society magazines and electronic newsletters will be at the discretion of the IEEE Societies. Additionally, the recipient is requested to provide a list of the external publications to which they would like the IEEE to provide news releases, but publication of such will be at the discretion of the publication's editor. The sponsor will also announce the award recipient via social media and other online notices.

Phase 3: Presentation of Awards: The IEEE Cybersecurity Awards will typically be presented at the IEEE Secure Development Conference (the annual associated conference), but in special circumstances may also be given out at the IEEE Honors Ceremony. Various news releases may be sent to the local media to promote the recipients, sponsors, and venue presentations.