

Secur'IT Cup Awards Iberia Edition

OBJECTIVES

Kaspersky Lab announces **the first edition** of the Kaspersky Lab “Secur’IT Cup Iberia Edition” to recognize the work of researchers and students on technological topics related to cyberdefense and cybersecurity. With this call for papers it is intended to support students both in the academic and professional fields and to promote a closer relationship between Universities and Kaspersky Lab, which is the ultimate goal of the chair.

Participants in this first edition of the call for papers must have completed their studies in any of the schools, faculties or research centers of the UPM (Universidad Politécnica de Madrid) during the academic year 2018-2019 and must present their master's thesis during that course.

TOPICS

The topics of the projects presented to the “Secur’IT Cup Iberia Edition” must be oriented and based on the following subjects:

Secure IT topics:

- Secure Autonomous vehicles: vulnerabilities and control issues
- Secure Health: providing security for smart medical devices
- Secure Company: building a secure perimeter able to withstand active persistent threats in 2019
- Secure Government: anti-fraud solutions for online elections
- Secure online-Gaming: dealing with cyberthreats in a gaming world (bots, DDOS, Cheating, Phishing, unauthorized usage of personal data)
- Secure City: Prevention of unauthorized usage of smart city IoT devices (smart city lights etc) to stage an attack on city critical infrastructure
- Secure Childhood: Effective parental control solutions

Technical topics

- Simplification of software reverse engineering (malware analysis, vulnerability research)
- Code deobfuscation
- Application of SMT solvers in information security
- Security Specialists collaboration: solutions for distributing, indexing, and analyzing the data generated during penetration testing or security assessment
- Vulnerability Assessment of internal perimeter: solution for automated check of available updates and newly discovered vulnerabilities
- Open source intelligence: approach to identifying phishing domains targeted at the specific company
- Malware Analysis: Solution for creating IoCs obtained as a result of incident investigation or malware research in STIX format
- Automatic vulnerability triaging

PRIZE MODALITY

1. Prize for the best master's thesis in the 2018-2019 academic year, related to some of the topics described above.
 - Prize: Full amount of the Master (max 3.200 euros)
 - An invitation to visit Kaspersky Virlab in Moscow with travel and accommodation expenses fully paid for the winner
2. One (1) Prize for the best final master's projects during the 2018-2019 academic year, related to some of the topics described above.
 - Prize: full amount of the Master (Max. 3.200 euros)

The winners commit to:

- a) Take part in the award ceremony organized jointly by the UPM and Kaspersky Lab in December 2019 (date should be confirmed by University).
- b) Provide the image rights of the delivery act
- c) Video or interview recorded by the services of Kaspersky Lab explaining the impact of the award-winning work for its diffusion in different channels of the company
- d) Prepare a 1 page summary for the inclusion of a review of the award-winning work in Kaspersky Lab's internal bulletins
- e) The winner of the "Prize for the best master's thesis" should obtain a passport for international travel and visa on his/her own. The second part of the prize (visit to Kaspersky Lab HQ in Moscow) is not redeemable for cash.

TERMS

The candidates for the prizes must be master's students enrolled during the academic year 2018-2019.

- a) The works must be presented by a single applicant
- b) Each candidate can only submit one application from all the different topics proposed
- c) Applications must be submitted endorsed by the tutor and / or director of the work.
- d) Students must have been enrolled in any of the regulated Master programs of the UPM during the 2017-2018 academic year.
- e) Prizes are not transferable to any other people.
- f) The winner of the "Prize for the best master's thesis" is solely responsible for his/her ability and availability to travel during the pre-confirmed period, for having the correct travel documents (international passport and visa if needed). Kaspersky Lab will provide the winner with assistance for his/her visa application by providing with the necessary air ticket and hotel reservation details during the winner's visa application.
- g) Participants bear full responsibility for the accuracy of the information provided and official documents submitted
- h) By registering the projects participants accept the terms & conditions

EVALUATION

The “Secur’IT Cup Iberia Edition” call for papers is a competition among all accepted applications that have fulfilled the conditions established in the call.

Students who wish to participate must present the documentation and final project in Spanish and English. A candidate may be requested to defend his work in front of the jury in English, although this is not a mandatory requirement for granting it.

Composition of the Awards Jury

- Yuliya Novikova – Head of Security Services Analysis. Kaspersky Lab
- Boris Larin – Malware Analyst. Kaspersky Lab
- Alexander Kolesnikov – Maintenance Project Manager. Kaspersky Lab
- Victor A. Villagr, Cybersecurity Master Director. UPM

Evaluation criteria

- Scalability of the idea/approach
- Technical feasibility
- Innovative approach (originality of the idea)
- Proof of concept: an approbation of the idea is in place
- Consistency with the trends/specifics of the chosen area/market

Grant procedure

- Secret deliberation of the Jury.
- Concession during the month of September 2019
- The awarding of prizes is not actionable.
- The Jury can leave the award of this prize deserted.

DOCUMENTATION REQUESTED

1. Identification information
2. Data on the work presented
 - a) University and Center or department of the University
 - b) Title
 - c) Details of the tutor
 - d) Warranty of the tutor / author
3. Documentation provided
 - a) Summary of the work (max 5 pages)
 - b) Impact / relevance for the industry (maximum 3 pages)
 - c) Works and related publications considered relevant



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IMPORTANTE DATES

- Opening of the call: 10 December 2018
- Closing of the call: 31st March, 2019
- Closing for final master work/Project uploading: 30 September, 2019
- Publication of the resolution of the call: November 2019
- Award ceremony: date to be confirmed.

CONTACT

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INSCRIPTION

The registration in the call can only be made online through the following online form. Link:
[academy.kaspersky.com/ subprojects/secureitcup-iberia/](https://academy.kaspersky.com/subprojects/secureitcup-iberia/)

Final master work should be send via email: klacademyiberia@kaspersky.com