



ANRWP
2021

CALL FOR
SUBMISSIONS

COMMITTEES

VENUE
&
DATES

ISOC.PT ANRWP 2021 Submissions

Call for Submissions

- The submission site (EasyChair) is open:
> [Please submit here](#)
Deadline: 22/Nov/2021, 24h00 (PT Time: GMT-0)

We invite authors to submit a short paper (not to be published), considering the reference formats and types of contributions (see on the right). The interest topics for submissions are widely aligned with strategic concerns defined in activities of ISOC.ORG agenda, as well as, on research topics of well-known international venues and communities, such as: [ACM/IRTF ANRW'21](#), [NDSS 2021](#) or [SIGCOMM 2021](#)

Reference Topics

- *Internet Reliability, Availability and Maintainability*
- *Reliable Internet Protocols and Services*
- *Internet Naming and Addressing*
- *Internet Routing*
- *Evolution of DNS, CDNs, anycast, and other wide-area services*
- *Internet Security*
- *DNS Reliability, Security and Privacy*
- *DNS and new DNS-environments (e.g., DoH - DNS over HTTPS, DoT - DNS over TLS and other secure overlayed DNS services)*
- *Privacy enhanced DNS solutions*
- *Detection and circumvention against blocking DoT/DoH services*
- *Security and privacy in Internet Protocols*
- *Dependable solutions for TCP/IP Operation*
- *Implementation, Deployment and Management of Network Reliability and Security Practices*
- *Security defenses for Internet protocols and services (e.g., routing, naming, addressing and management)*
- *Trustworthy Computing Software for TCP/IP Stack Implementations*
- *Measurement and analysis of existing and new transport protocols, secure protocols, and routing protocols*
- *Internet Operation and Countermeasures against cyber attacks (e.g., APTs, Botnets, DDoS), including prevention, detection, recovery and management response*
- *Novel approaches for Public Key Infrastructures, Key Management, Certification and Revocation*
- *Security and Privacy for Internet Mobility*
- *Security for Cyber-physical Systems and IoT Environments*
- *Large-Scale Internet Based Critical Infrastructures*
- *Congestion Control for Heterogeneous Networks*
- *Software Defined Networks*
- *Programmable networks and Wide-Area Internet Services*
- *Distributed Computing and Internet Security*
- *Internet Transparency and Related Management Practices*
- *Approaches towards decentralizing and democratizing the Internet*
- *Measurements and analysis of wide-area privacy risks and remediation*
- *Internet access in challenging environments*
- *Evolution of interconnection and network management practices*
- *Communication freedom in the Internet*
- *Privacy and anonymity for Internet-based communication*
- *Internet Censorship Circumvention*
- *Internet Circumvention Solutions for TCP/IP Traffic Blockage*
- *Better ways of specifying protocols, including usable techniques for protocol verification*
- *New approaches to network management, operations, and control*
- *Interactions between emergent applications and existing network deployments*
- *Wide-area monitoring, root-cause analysis, and debugging*
- *Standardization activities of related IETF working groups*
- *Contributions for IRTF groups and IETF RFC proposals*

A note on "fit" contributions

ISOC.PT ANRWP is primarily a venue focusing on Applied Internet and Network Research and Related Systems Security. As such, the Program Committee will be looking with particular focus on papers that have a relation to applied research with projection for real systems and their mechanisms, services, protocols and applications.

For instance, contributions making significant contributions in areas such as cryptography, formal methods, software engineering or software programming systems and models, but that fails to demonstrably tie those advances to real systems and internet-oriented distributed environments, are unlikely to be accepted to be selected for the ANRW PRIZE.

ISOC.PT ANRWP Participation

With the ANRWP initiative, ISOC.PT found a way to call and to join the Portuguese Research Community from our Universities, Academic Institutes and Research Centers in different Institutions. We see ANRWP as a forum of acknowledgment of their engagement and effort. We believe that researchers and PhD students can participate with their ideas and innovative solutions for an open, globally connected, more secure, more reliable, trustworthy and privacy-enhanced Internet for everybody.

[More about ISOC.PT](#)

Paper Formats and Types

Formats

Short papers, written in English or Portuguese, from 4 to 8 pages (1 or 2 columns) as reference. No rigid formats are imposed in the submission process. Anyway, usual reference formats can be used, ex.: IEEE templates for conference proceedings, ACM SIGCOMM papers template or formats from other ACM conference proceedings.

Types

We expect contributions in two different types:

- Papers summarizing and reporting specific research ideas, objectives and results achieved by authors in their specific research work direction. This includes specific contributions in research projects, research conducted by PhD students integrated in different Research Teams and Institutions, as well as, results achieved in on-going work addressing applied research challenges, frameworked by the proposed interest topics;
- Papers summarizing previous contributions or recent research initiatives conducted by research teams fitting on the selected reference topics. This includes papers that can summarize highlights or important results previously obtained or published in relevant venues.

Relevant note

We note that the submitted works will not be published. The submitted papers will only be used by the Program or Steering Committees for the purposes of appraisal, selection for presentation at the workshop and for nomination for the ANRWP award.