



**OARC 38**  
Philadelphia, PA  
July 2022

# DNS-OARC Update

**Keith Mitchell, President**

**OARC38**

**July 2022**

**[https://indico.dns-oarc.net/event/43/contributions/932/attachments/886/1618/Report-2022\\_07.pdf](https://indico.dns-oarc.net/event/43/contributions/932/attachments/886/1618/Report-2022_07.pdf)**

# OARC's Mission Statement

*The Domain Name System Operations Analysis and Research Center (DNS-OARC) is a non-profit, membership organization that seeks to improve the security, stability, and understanding of the Internet's DNS infrastructure.*

*DNS-OARC's mission is to:*

- promote and conduct research with operational relevance through data collection and analysis*
- offer useful services and tools*
- build relationships among its community of members*
- facilitate an environment where information can be shared responsibly*
- enable knowledge transfer by organizing open workshops*
- increase public awareness of the DNS's significance*



**DNS-OARC**

Domain Name System Operations Analysis and Research Center



# OARC's Members



**DNS-OARC**

Domain Name System Operations Analysis and Research Center

# Some 2021 Achievements

- Completed all outstanding funded development projects:
  - <https://www.dns-oarc.net/oarc/grants>
- 3½ fully online workshops
- Exceeded \$1M revenue for first time, 1 year of operating reserves
- Significant progress on systems clean-up and automation



**DNS-OARC**

Domain Name System Operations Analysis and Research Center

# 2022 Achievements

- Appointed new Systems Engineer, Michael Baer
- Privacy Committee progress:
  - data usage report
  - draft Charter
  - expert input
- New software development strategy focusing on testing tools:
  - CheckMyDNS: new UI, DoQ support
- DITL 2022 collection and raw dataset released

# 2022 Achievements

- Migrated workshops from online-only to hybrid format:
  - OARC37 Austin, February
  - OARC38 Philadelphia, July
- Return to in-person Member/Community engagement:
  - UKNOF49 Manchester, RIPE84 Berlin, NANOG85 Montreal, ICANN74 The Hague, IETF114 Philadelphia
- F2F internal planning meetings, including Fremont systems site visit
- Ottawa site re-location, new routers purchased
- Websites upgraded

# 2021-22 OARC Board

- Ray Bellis, *ISC*, Director
- Joao Damas, *APNIC*, Director
- Paul Ebersman, *Neustar*, Director
- Jacques Latour, *CIRA*, Treasurer
- Benno Overeinder, *NLnet Labs*, Chairman
- Jaromír Talíř, *CZ.NIC*, Director, PC Liaison



**DNS-OARC**

Domain Name System Operations Analysis and Research Center

# 2022 OARC Programme Committee

- Pallavi Aras, *Salesforce*
- Manu Bretelle, *Facebook*
- Hazel Smith, *Google*
- John Todd, *Quad9*
- Willem Toorop, *NLnet Labs*
- Nils Wisiol, *deSEC*
- Suzanne Woolf, *Public Internet Registry*
- Jaromír Talíř (*OARC Board Liaison*)



**DNS-OARC**

Domain Name System Operations Analysis and Research Center



# DNS-OARC Staff Resources

- President, Secretary (*Keith Mitchell*, Indiana) 0.75 FTE
- Systems Engineer (*Matt Pounsett*, Toronto) 0.75 FTE
- Systems Engineer (***Mike Baer***, California) 0.7 FTE
- Software Engineer (*Jerry Lundström*, Stockholm) 0.75 FTE
- Membership Coordinator (*Steve Sullivan*, California) 0.7 FTE
- Events Coordinator (*Denesh Bhabuta*, London) 0.7 FTE
- Book-Keeper (*Pam Stone*, California) 0.1 FTE

**Hiring !!**     <https://www.dns-oarc.net/oarc/careers>



**DNS-OARC**

Domain Name System Operations Analysis and Research Center

# OARC Workshops

- Hybrid format will continue until further notice
- OARC Inc. AGM will be stand-alone, online-only, early Oct 2022
- OARC39: co-locate with RIPE85/CENTR-Tech, Belgrade, Oct 22-23 2022
- OARC40: co-locate with NANOG87, Atlanta, Feb 16-17 2023
- OARC41: *TBD* 2023
- Reviewing current 2 vs 3 physical workshops/year frequency
- Sponsor and Patronage opportunities for all workshops:
  - <https://www.dns-oarc.net/workshop/patronage-sponsorship>



**DNS-OARC**

Domain Name System Operations Analysis and Research Center

# 2022→ Plans

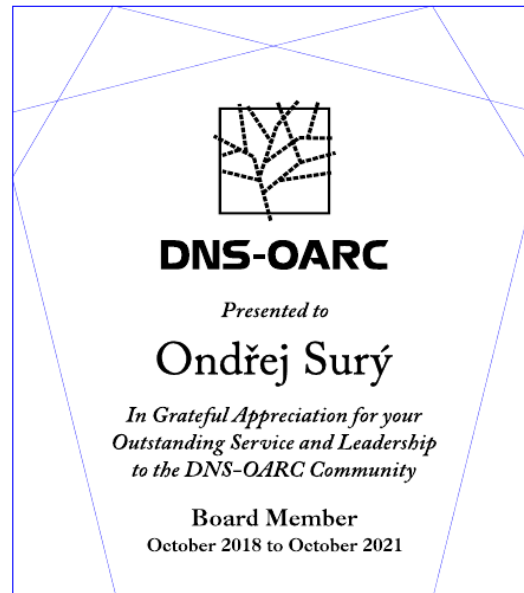
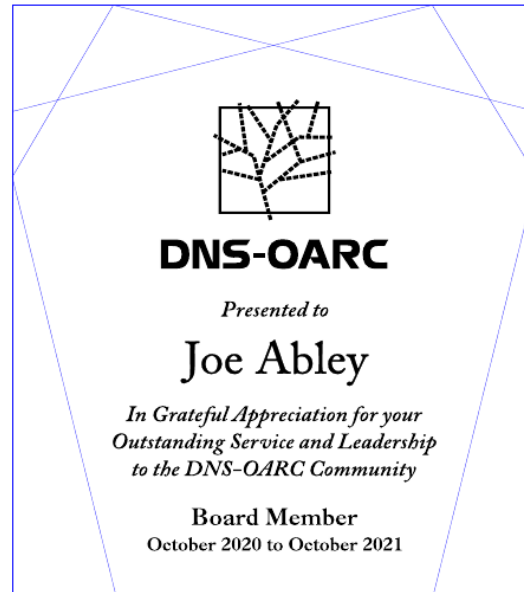
- New Data Store into production !!
- Privacy-centric, cloud-flexible re-structuring of Participation Agreement
- Improve integration between Member Portal, Mattermost Chat, and Workshop Registration
- Proposal for inflation-based increase to OARC Membership fees:
  - for approval at AGM, to take effect 1<sup>st</sup> Jan 2023
- Hire office administrator
- New leadership search



**DNS-OARC**

Domain Name System Operations Analysis and Research Center

# Thank You !!



**DNS-OARC**

Domain Name System Operations Analysis and Research Center

# Why Become an OARC Member ?

- Access to and participation in the world's premier community of DNS technical experts
- Influence development of open tools and services to support your infrastructure operations
- Ability to share and analyze a unique dataset perspective into global DNS operations
- Use of community co-ordination resources to respond to incidents and threats
- Support a trusted neutral party free of vested interests in the DNS space



**DNS-OARC**

Domain Name System Operations Analysis and Research Center

# OARC's Value Proposition

## Member testimonials:

*"As a newcomer to working with the DNS, DNS-OARC has been an excellent resource for me to get up to speed with the industry parts of how the DNS operates. The DNS-OARC community is quite welcoming to new people, and is happy to share knowledge. One aspect in particular that has been very helpful is the ability to easily have public discussions with other members, but also private discussions about potentially sensitive topics with industry experts."*

*"I would attend DNS-OARC conferences for the hallway track alone. Not because of the coffee, but because of all the super welcoming peers who are always willing to help me with their insights and knowledge."*

*"OARC is a unique venue that brings together DNS vendors, operators of DNS services and researchers - the workshops provide a unique and valuable insight into the current state of the art of the DNS"*

*"Of all the work-related conferences I attend, @dnsoarc is reliably the one with the fewest uninteresting bits. Approaching zero."*



**DNS-OARC**

Domain Name System Operations Analysis and Research Center