

# Zubair Ahmad

*Ph.D. - Computer Science*

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## Interests and Vision

- My interests revolve around internet privacy and security in the context of emerging technologies. Specifically, I am interested in investigating the application of tools to enhance internet security and privacy by means of AI, web measurements, information flow analysis, and GDPR. I am passionate about exploring novel techniques for preserving individual security and privacy while enabling valuable data-driven insights.

## Experience

2020 **Research Assistant**, *Ca'Foscari University Venice, Italy*

- to current
- Research: I am actively involved in the development of the research activity of the Software and System Verification group under the supervision of [Stefano Calzavara](#). Currently we are actively working on research projects related to "Dynamic Taint Tracking for Web Privacy Analysis".

March 2023 **Research Intern**, *CISPA Helmholtz Center for Information Security, Germany*

- Worked as a research intern at Secure Web Application Group (SWAG) under the supervision of [Ben Stock](#). Currently we are actively working on research projects related to "Analyzing the Privacy Protection Mechanism in different Browsers and Extensions"

Aug 2013 **Trainee Engineer**, *PTCL, Islamabad, Pakistan.*

- to Dec 2013
- Worked in business and operation department and hand-on experience of different software like CRM, BNCC and OMT

Sep 2013 **Field Engineer**, *IPL I2c.Inc, Islamabad, Pakistan.*

- to May 2014
- Software and Hardware installation - ATM Machines.

## Education

2020 **Ph.D in Computer Science** *Ca'Foscari University Venice, Italy*

- to current
- Internet Security and Privacy.
  - EU compliance Regulations, GDPR.

2016–2019 **(87%) Master Degree in Information and Communication Engineering, CQUPT Chongqing**, China.

- Grade: 110/110 cum laude – **Outstanding Graduate Award 2019**

2007–2009 **B.E Electronics, DUET**, Karachi, Pakistan.

- Grade: 110/110 cum laude

**Languages** English (native), Chinese (fluent), Italian (basic).

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## Publications

TWEB 2023 **Zubair Ahmad**, Samuele Casarin, and Stefano Calzavara. “An Empirical Analysis of Web Storage and its Application in Web Tracking” (ACM Transaction on Web - 2023)

MadWeb-NDSS 2022 **Zubair Ahmad**, Samuele Casarin, and Stefano Calzavara. “What storage? An Empirical Analysis of Web Storage in the Wild” MadWeb-NDSS USA, 2022

ChinaCom 2020 **Zubair Ahmad**, Ma P, Wei T, Wang L, Chai R “Service Delay Minimization-Based Joint Clustering and Content Placement Algorithm for Cellular D2D Communication” Communications and Networking. ChinaCom, February 2020.

ChinaCom 2020 C Liu, **Zubair Ahmad**, Rong Chai, Qianbin Chen. “Energy Efficiency Optimization Based Joint Resource Allocation and Clustering Algorithm for M2M Communication Networks”. ChinaCom, Springer, Cham. vol 313, pp 351-363

WOCC 2019 Waleed Almughalles, Rong Chai, Junliang Lin, **Zubair Ahmad**. “Task Execution Latency Minimization-based Computation Offloading and Cell Selection for MEC-Enabled HetNets”. 28th WOCC 2019 Beijing China

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## Awards, Honors and Fellowships

- Summer School OPLSS – Oregon State University USA 2021
- **Best Performance Award** European Parliament - 2021-22
- **Outstanding Graduate Award** – Master Degree 2019
- **Italian PhD Fellowship 2020**
- **Best Performance Award** – United States Academic Decathlon 2017
- **Best Paper Award**, China 2019
- **First Prize** “One Belt One Road Business Idea Challenge, China 2017
- **Chinese Scholarship Award**, 2016

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## Community Services

- **MadWeb 2024** – Program Committee
- **Transactions on Consumer Electronics** - Reviewer