

NCA 2025

The 23rd IEEE International Symposium on
Network Computing and Applications

Technical Program

<https://www.nca-ieee.org/2025/program.html>

Luciana Arantes and Guthemberg Silvestre
Program Committee Chairs

NCA 2025 Technical Program

- 8 Technical Sections
Regular and Short Papers
- 1 Posters and Demonstrations Section
 - Chair : Mario Calha
- 2 Keynotes

NCA 2025 Keynotes

Keynote #1

Evolution of Resource Allocation Algorithms and Protocols with Network Slicing

Prof. Stefano Secci
CNAM, Paris, France

Keynote #2

Embracing the Dice: Playing with Quorums to Derive Efficient Blockchain Consensus

Prof. Alysson Bessani
LaSIGE, FCUL, Lisbon, Portugal

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NCA 2025 Statistics

Accepted Papers :

- **30** regular papers
- **10** short papers (2 submitted as short)

Paper submissions: **95**

- 87 regular and 8 short papers

Regular paper acceptance rate: **31,5%**

44 PC members, **40** sub-reviewers, **277** total reviews

NCA 2025 Topics

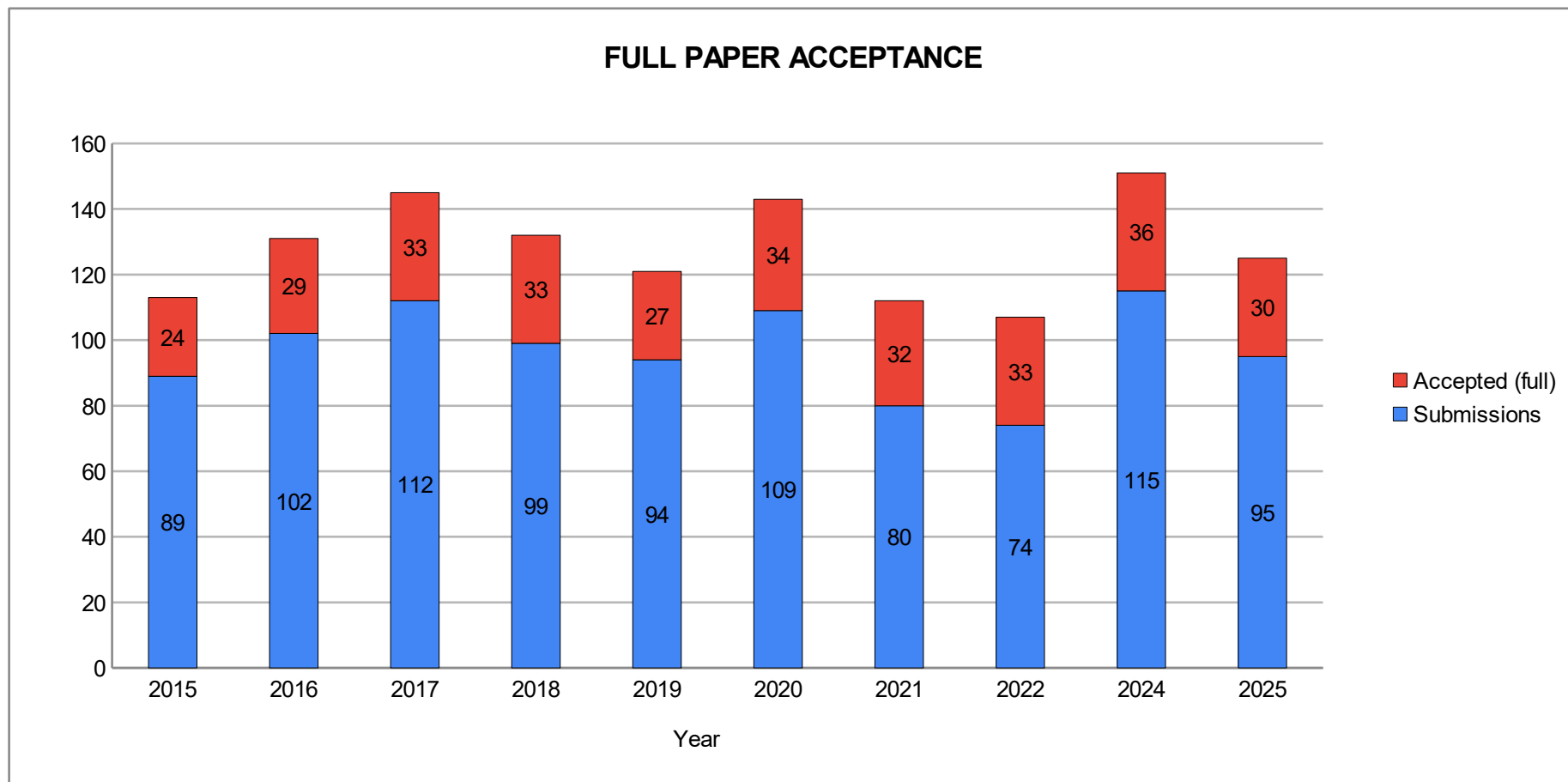
Topics	Number of papers
Networking	6
Cloud and Edge	5
Security	10
Resource Optimization	4
IOT	3
Resilient Systems	5
Mobile and wireless network	5
Distributed Algorithms	1
5G	1

30 regular papers
10 short papers

8 Technical sessions

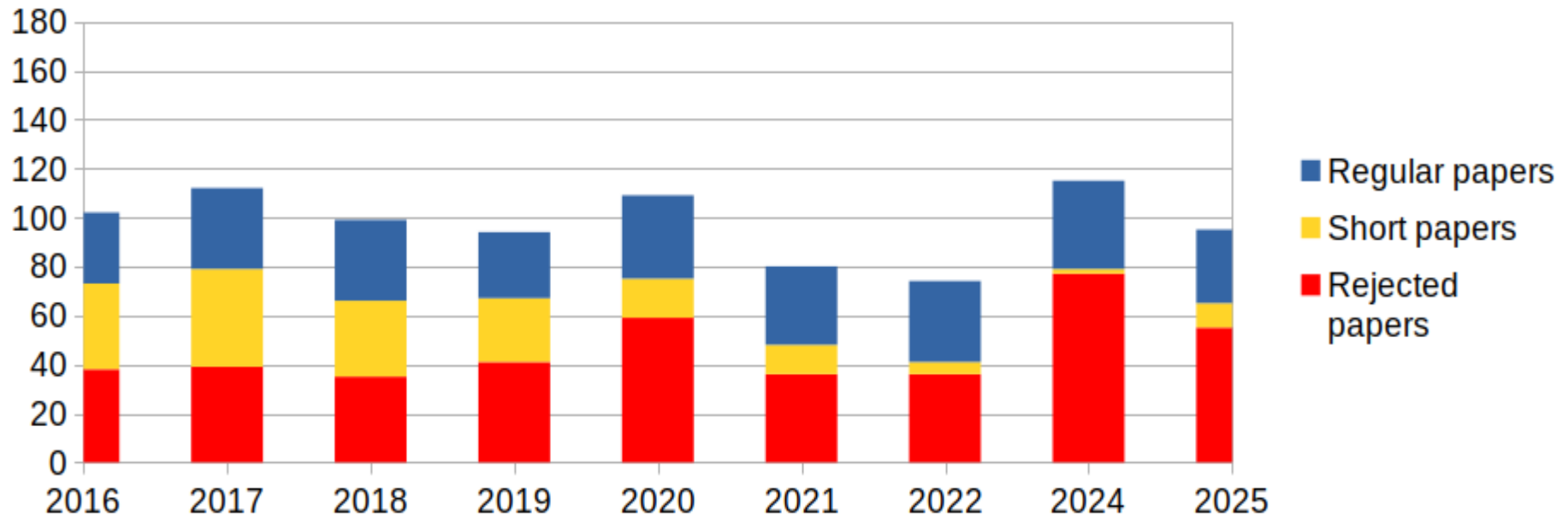
NCA2025 vs Previous Editions

Regular paper acceptance

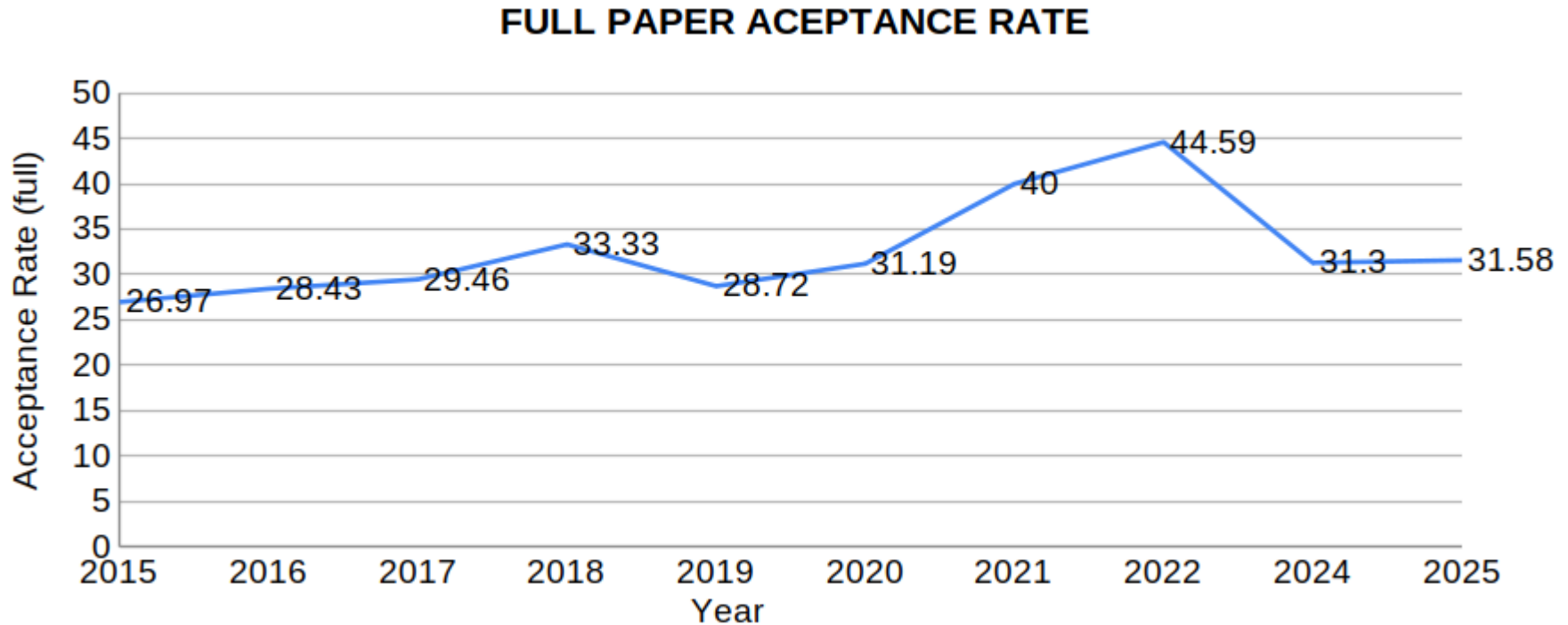


NCA 2025 vs Previous Editions

ACCEPTED/REJECTED PAPERS

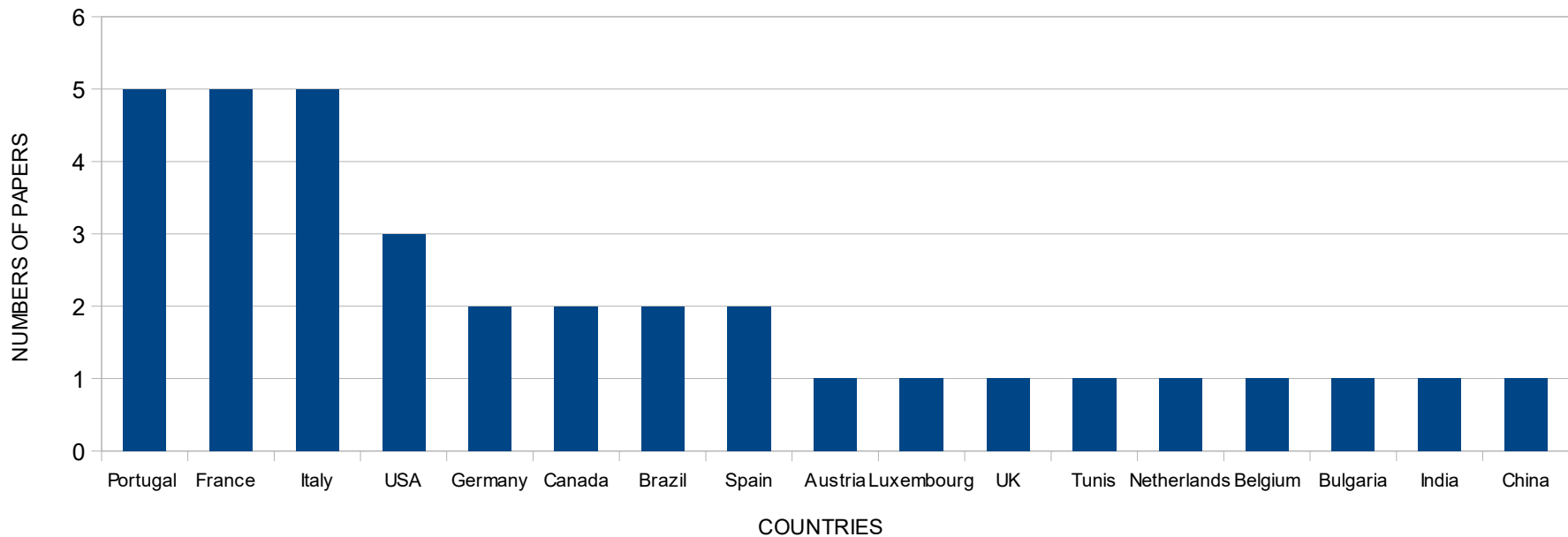


NCA Regular Paper Acceptance Rate



NCA 2025 Regular Papers per Country (30 papers)

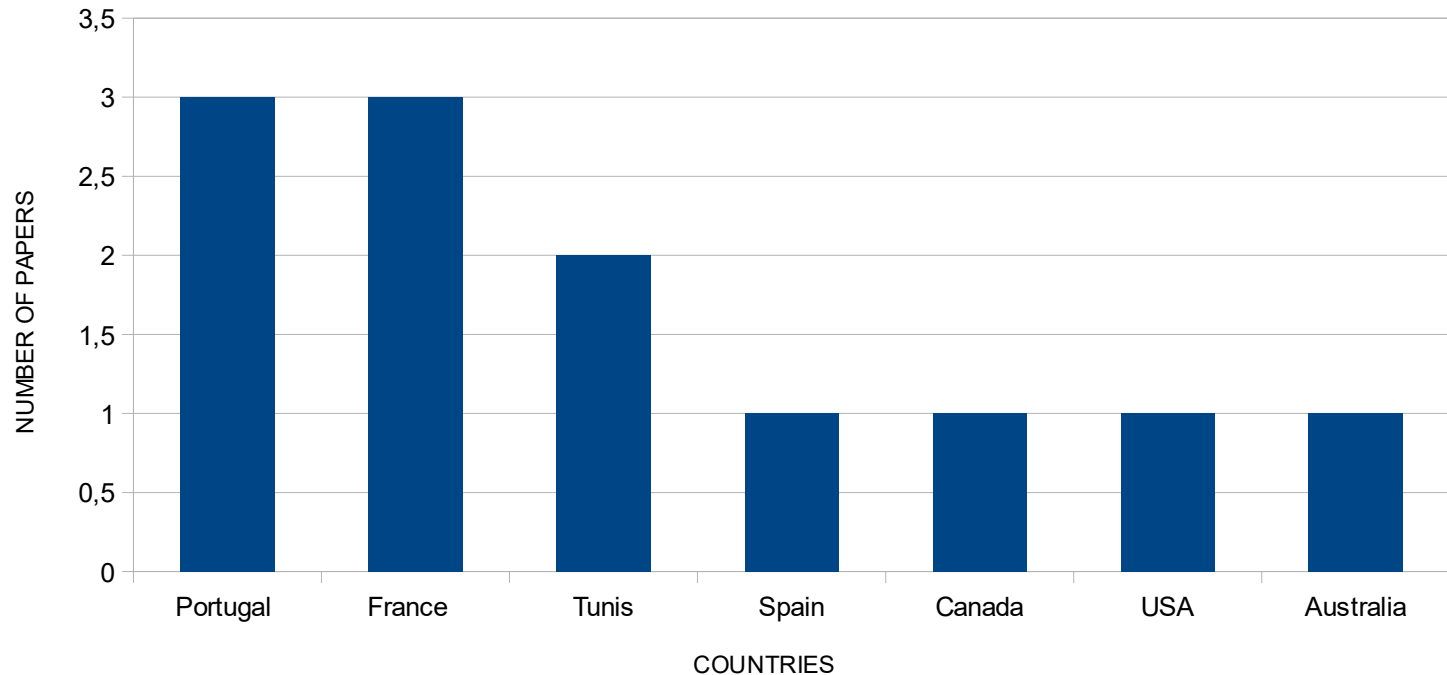
NUMBER OF REGULAR PAPERS PER COUNTRY



3 papers with 2 countries
1 paper with 3 countries

NCA 2025 Short Papers per Country

SHORT PAPERS PER COUNTRY



2 papers with 2 countries

NCA 2025 Accepted Papers Keywords

Keywords	Number of papers
Machine/Deep Learning	11
Cybersecurity	5
Intrusion Detection/Recovery	5
Blockchain	3
IOT	3
Performance Evaluation/Modeling	3
Energy	3

30 regular papers
10 short papers

NCA 2025

Best Student Paper Award

NCA 2025 Best Student Paper Award

Leaf-Link: Experiences Deploying Battery-Free Wireless Forest Sensing

Shuaibu Musa Adam, Van Vu Bui, Lowie Goossens,
Sam Michiels, Ka Lok Man and Danny Hughes
KU Leuven
Leuven, Belgium

NCA 2025

Best Paper Award

NCA 2025 Best Paper Award

A Framework for Detecting Secure Web Traffic Over VPNs: HTTPS and QUIC

Yuan Tian and Shou-Hsuan Stephen Huang.
University of Houston
Houston, Texas

Thanks

- **Chairs**
- **PC members**
- **Sub-reviewers**
- **Authors**