Alberto Merino Risueño

Date of birth: 22/07/1999 | Nationality: Spanish | Phone: (+34) 693781871 (Mobile) | Email address: amerinorisueno@gmail.com | Address: C San Roque, 5, 16235, Iniesta, Spain (Home)

Work experience

University research assistant | University of Castilla-La Mancha | 11/12/2024 - 30/08/2025 | Albacete, Spain

Analyzing the performance of existing congestion control algorithms.

Developing new tools for analyzing network performance

Analyzing the impact of different network parameters on performance.

Analyzing the impact of different traffic patterns on congestion control performance.

University research assistant | University of Castilla-La Mancha | 01/06/2023 - 01/12/2024 | Albacete, Spain

Analyzing the performance of existing congestion control algorithms.

Developing new tools for analyzing network performance

Analyzing the impact of different network parameters on performance.

Analyzing the impact of different traffic patterns on congestion control performance.

Summer of Nix Contributor | NixOS Foundation | 01/06/2024 - 30/09/2024 | Remote, Spain

Contributed to improving the building processes of libraries and security software firmware in a remote-friendly team.

Enhanced cross-compilation workflows using the Nix ecosystem for efficient builds.

Present our work in the NixCon 2024

University research assistant | University of Castilla-La Mancha | 01/08/2022 - 31/05/2023 | Albacete, Spain

Analyzing the performance of existing congestion control algorithms.

Developing new tools for analyzing network performance

Analyzing the impact of different network parameters on performance.

Analyzing the impact of different traffic patterns on congestion control performance.

University research assistant | University of Castilla-La Mancha | 15/01/2022 - 14/07/2022 | Albacete, Spain

Analyzing the performance of existing congestion control algorithms.

Developing new tools for analyzing network performance

Analyzing the impact of different network parameters on performance.

University research assistant | University of Castilla-La Mancha | 09/07/2021 - 30/09/2021 | Albacete, Spain

Implementing Congestion Control Techniques into a High-Performance Network simulator.

Optimizing network performance.

Analyzing the impact of different network parameters on performance.

University research assistant | University of Castilla-La Mancha | 13/04/2021 - 15/05/2021 | Albacete, Spain

Implementing Congestion Control Techniques into a High-Performance Network simulator.

Optimizing network performance.

Analyzing the impact of different network parameters on performance.

Education & Training

Master Computer Science | University of Castilla-La Mancha | 01/09/2022 - 01/02/2023 | Ciudad Real, Spain

Address: C\ Altagracia Nº 5013003

Bachelor Computer Science | University of Castilla-La Mancha | 01/09/2017 - 01/02/2022 | Ciudad Real, Spain

Address: C\ Altagracia Nº 5013003

Prevention of Labor Risks | University of Castilla-La Mancha | 01/07/2022 - 31/07/2023 | Ciudad Real, Spain

Address: C\ Altagracia Nº5013003

Publications

A Hybrid Solution to Provide End-to-End Flow Control and Congestion Management in High-Performance Interconnection Networks

2024.

https://doi.org/10.1109/CCGrid59990.2024.00011

Una solución híbrida para proporcionar control de flujo de extremo a extremo y control de congestión en redes de interconexión de altas prestaciones

2024.

Proc. Jornadas Sarteco

ISBN: 978-84-09-61749-4

Modeling Destination-based Scheduling of Traffic Flows in Interconnection Network Simulators

2023.

Proc. Advanced Computer Architecture and Compilation for High-performance Embedded Systems

ISBN: 9789078427049

Modelado y evaluación en un simulador de redes de interconexión de altas prestaciones de técnicas de planificación en destino para reducir la congestión.

2025.

SARTECO 2025

ISBN: 978-84-09-74530-2

Projects

Joint innovation laboratory framework. | 01/08/2022 - 31/05/2023

Model the Source Flow Control (SFC) and Source Flow Control Proxy (SFC-P) protocols in an Interconnection Network Simulator, validate the model, and propose improvements. The results were published at CCGrid 2024.