

Post Doc Fellowship in Computer Science
Universidade Federal de São Carlos (UFSCar)

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Posted Oct. 21, 2024, set to expire Feb. 19, 2025

Job Title Post Doc Fellowship in Computer Science

Department DComp

<https://smartness2030.tech/>

Institution Universidade Federal de São Carlos (UFSCar)
Sorocaba, São Paulo, Brazil

Date Posted Oct. 21, 2024

Application Nov. 15, 2024

Deadline

Position Start Jan/Feb 2025
Date

Job Categories Post-Doc

Academic Computer/Information Sciences
Field(s)

Job Website <https://smartness2030.tech/opportunities/network-slicing-resource-allocation-and-network-programmability-for-o-ran-ullc-services/>

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Job Description

SMARTNESS is a joint research center formed by Unicamp, USP, and UFSCar, among other associate universities. Funded by Ericsson and FAPESP, SMARTNESS aims to conduct cutting-edge research on computer networks and digital application services, focusing on the evolution of networking and services by 2030. We seek candidates for this post-doctoral position with a background

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in mobile wireless networks and modeling tools to conduct research focusing on networking slicing, radio functional split, resource allocation, network programmability, and radio stack acceleration in Open RAN scenarios. We are interested in solving problems related to ensuring end-to-end latency for Ultra-Reliable Low-Latency Communications (URLLC) services by considering multiple functional splits and segregation of services through network slicing, including routing, queueing, and processing. The selected researcher will be responsible for conducting research using modeling tools, implementing algorithmic and AI/ML solutions, and designing and coordinating the deployment and evaluation in real-world devices such as programmable switches, offload-enable interfaces, and hardware acceleration components. Moreover, the researcher must understand and develop solutions considering mobile networks as the target scenario, i.e., Beyond 5G networks based on Open RAN technologies and standards.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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