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

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 Deadline	Nov. 15, 2024
Position Start Date	Jan/Feb 2025
Job Categories	Post-Doc
Academic Field(s)	Computer/Information Sciences
Job Website	https://smartness2030.tech/opportunities/network-slicing-resource-allocation-and-network-programmability-for-o-ran-ullc-services/
Apply Online Here	https://docs.google.com/forms/d/e/1FAIpQLSfn9qZ2T4GIWwlLmvH5XN-Ci6q_u7doZOay48VQYu0fJqhkHA/viewform
Apply By Email	

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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